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ABSTRACT

Volume 2 of the report on the development and implementation of a model regional information system for vocational-technical education consists of appendixes to volume 1 and includes the following supportive data and project materials: (1) information sources used by 36 administrators in Appalachian regions of Tennessee, North Carolina, and Virginia; (2) regional information system data sources; (3) regional information coding system; (4) selected data by county; (5) occupational demand subfiles; (6) program cost projections; (7) sources of occupational training; (8) evaluation of vocational programs and of employment by secondary area vocational technical school (AVTS) graduates; (9) employment status according to secondary and AVTS graduates; (10) facilities and equipment; (11) rules, regulations and certification; (12) individual and composite data packs; (13) evaluations of student file, personnel file, occupational demand file, county information file, and the Regional Information System (RIS); and (14) guidelines for a user's manual. (MW)

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ED126243

FINAL REPORT

Project No. V0116VZ
Grant No. OEG-0-74-1747

DEVELOPMENT AND IMPLEMENTATION OF A MODEL REGIONAL INFORMATION SYSTEM FOR VOCATIONAL-TECHNICAL EDUCATION

Volume II of II Volumes

Research Project in Vocational Education
Conducted Under
Part C of Public Law 90-576

The project report herein was performed pursuant to a grant from the Office of Education, U. S. Department of Health, Education, and Welfare. Contractors or grantees undertaking such projects under Government sponsorship are encouraged to express freely their professional judgment in the conduct of the project. Points of view or opinions stated do not, therefore, necessarily represent official Office of Education position or policy.

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Knoxville, Tennessee 37916

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Associate Project Director

January 1976

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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APPENDIX A

Information Sources Used by 36 Administrators
In Appalachian Regions of Tennessee,
North Carolina, and Virginia

Information Sources Used by 36 Administrators
In Appalachian Regions of Tennessee,
North Carolina, and Virginia

Information Sources	Degree of Use Low 1 %	2 %	3 %	4 %	High 5 %	Mean*	Rank
State Department Personnel	2.78	5.55	13.89	25.00	52.78	4.1	1
Periodicals	0.00	8.33	13.89	52.78	25.00	3.9	2
Consultants	0.00	19.44	22.22	33.33	25.00	3.6	3
Newsletters	2.78	8.33	27.78	50.00	11.11	3.6	3
Guides/Manuals	2.78	8.33	33.33	38.89	16.67	3.6	3
Books	5.55	5.55	41.67	30.56	16.67	3.5	4
Colleagues	11.43	5.71	28.57	31.43	22.86	3.5	4
Handbooks	5.56	16.67	38.88	22.22	16.67	3.3	5
Personal Reference Collections	5.71	20.01	28.57	25.71	20.00	3.3	5
Project Information	8.57	11.43	37.14	28.57	14.29	3.3	5
Computer Printouts	17.65	8.82	26.47	29.41	17.65	3.2	6
School Reference Libraries	11.76	17.65	50.00	11.77	8.82	2.9	7
Conference Proceedings	18.18	21.21	33.33	18.19	9.09	2.8	8
Public Libraries	25.00	25.00	18.75	18.75	12.50	2.7	9
Services (Crofts, SRA, etc.)	38.24	20.59	14.70	17.65	8.82	2.4	10
College Libraries	36.36	15.15	33.33	6.07	9.09	2.4	10
Bureaus of Research	34.29	40.00	11.43	8.57	5.71	2.1	11
Research Coordinating Units	42.86	20.00	31.43	5.71	0.00	2.0	12
State Libraries	61.76	20.60	8.82	8.82	0.00	1.7	13
Dissertations	58.82	23.53	8.82	5.89	2.94	1.7	13
Microfiche	62.50	15.63	9.37	12.50	0.00	1.7	13

*Based on 5-point scale where 5 = highest amount of use and 1 = lowest amount of use.

APPENDIX B

Regional Information System Data Sources

REGIONAL INFORMATION SYSTEM
DATA SOURCES

People

1. Mr. Jerry Kivett, Consultant
   Division of Occupational Education
   State Department of Public Instruction
   Raleigh, North Carolina

2. Dr. Charles H. Rogers, Director
   Occupational Research Unit
   Division of Research
   State Department of Public Instruction
   Raleigh, North Carolina

3. Mr. Charles Creech, Statistical Analyst
   Division of Research
   State Department of Public Instruction
   Raleigh, North Carolina

3. Mr. Max Edwards, Specialist I
   Trade and Industrial Education
   East Tennessee Regional Office
   813 Broadway
   Knoxville, Tennessee

4. Mr. Bill Phillips, Director
   Tennessee State Advisory Council
   for Vocational-Technical Education
   Knoxville, Tennessee

5. Dr. L. M. Jewell, Supervisor
   Statistical Services for Vocational Education
   State Department of Education
   Richmond, Virginia

6. Dr. Dewey T. Oakley, Supervisor
   Division of Vocational Education
   State Department of Education
   Richmond, Virginia

7. Mr. Alan T. Hill, Director
   Division of Management Information Systems
   State Department of Public Instruction
   Raleigh, North Carolina

8. Dr. Roger Jackson, Director
   Northwest Regional Education Center
   Wilkesboro, North Carolina

9. Mr. Tom Gentry, Director
Upper East Tennessee Educational Cooperative
Midway School
Jonesboro Highway
Johnson City, Tennessee

10. Dr. Jonathan Van Tassle, Director
Dilenowisco Educational Cooperative
Norton, Virginia

11. Mr. Tom Jennings, Director
First Tennessee-Virginia Development District
Johnson City, Tennessee

12. Mr. John Valentine
Employment Security Job Bank
Clinch Avenue
Knoxville, Tennessee

13. Mr. Jim Howell, Manpower Specialist
Department of Employment Security
Knoxville, Tennessee

14. Mr. Bill Schriver, Manpower Specialist
The Tennessee Valley Authority
Knoxville, Tennessee

15. Mr. John Lassiter
Tennessee Veterans Affair
Cordell Hull Building
Nashville, Tennessee

16. Mr. Robert S. Dorton, Director
Virginia Employment Security
Norton, Virginia

17. Ms. Myra Goad, Coordinator
Comprehensive Education Training Act
Employment Security Office
Clinch Avenue
Knoxville, Tennessee

18. Dr. Melvin Miller, Chairman
Vocational-Technical Education
110 Henson Hall
The University of Tennessee
Knoxville, Tennessee

19. Dr. Ralph Woodin, Professor Emeritus
The Ohio State University
Columbus, Ohio

20. Ms. Patricia Price
Center for Business and Economic Research
The University of Tennessee
Knoxville, Tennessee

21. Mr. Ralph Brown, Director
Tennessee Management Information System
The University of Tennessee
Knoxville, Tennessee

22. Dr. Ken Tanner, Professor
Educational Planning
The University of Tennessee
Knoxville, Tennessee

REGIONAL INFORMATION SYSTEM
DATA SOURCES

Publications

1. U. S. Census of Population, 1970, Fourth Count.

2. Division of Management Information Systems. Statistical Profile--North Carolina Public Schools. Raleigh, North Carolina: State Department of Public Education, February, 1975.

3. Statistical Profiles--Semi-Annual Update 1975. First Tennessee-Virginia Development District Research Center, Johnson City, Tennessee, 1975.

4. Comprehensive Vocational Education Task Force of Tennessee. Facilities Specifications. Nashville, Tennessee: State Department of Education, 1974.

5. Tennessee Covered Employment and Wages by Industry Statewide and by County, 1973. Nashville, Tennessee: Tennessee Department of Employment Security, October, 1974.

6. Tennessee Annual Average Labor Force Estimates by Area, 1973. Nashville, Tennessee: Tennessee Department of Employment Security.

7. Tennessee Migration, Population, Families, Income and Manpower Demand Projections to 1990 For Development Districts and Counties. Nashville, Tennessee: Tennessee State Planning Office, July, 1974.

8. Orman C. Corry and Patricia A. Price. Manpower Demand by Occupation for Development Districts in the Tennessee Valley Region: 1970-1980. Knoxville, Tennessee: Center for Business and Economic Research, The University of Tennessee, March, 1975.

9. Garry R. Bice and Gary Q. Green. "Tennessee Survey of Employers, 1973." Knoxville, Tennessee: Tennessee Research Coordinating Unit for Vocational-Technical Education, The University of Tennessee, College of Education, January, 1974.

10. Tomorrow's Manpower Needs, Volume I, "Developing Area Manpower Projections," Bulletin No. 1606. Bureau of Labor Statistics. Washington, D. C.: Department of Labor, February, 1969. ED 032 398.

11. Tomorrow's Manpower Needs, Volume II, "National Trends and Outlook, Industry Employment and Occupational Structure." Bulletin No. 1606. Bureau of Labor Statistics. Washington, D. C.: Department of Labor, February, 1969. ED 032 399.

12. Tomorrow's Manpower Needs, Volume III, "National Trends and Outlook, Occupational Employment." Bulletin No. 1606. Bureau of Labor Statistics. Washington, D. C.: Department of Labor, February, 1969. ED 032 400.

13. Tomorrow's Manpower Needs, Volume IV, "The National Industry-Occupational Matrix and Other Manpower Data." Bulletin No. 1606. Bureau of Labor Statistics. Washington, D. C. Department of Labor, February, 1969. ED 032 401.

14. Tomorrow's Manpower Needs, Supplement No. 3 (Revised), "Matching Occupational Classifications to Vocational Education Program Codes." Bureau of Labor Statistics. Washington, D. C.: Department of Labor, 1975.

15. Tomorrow's Manpower Needs, Supplement No. 4, "Estimating Occupational Separations from the Labor Force for States." Bureau of Labor Statistics. Washington, D. C.: Department of Labor, 1974.

16. Interim Manpower Projections to 1980 for North Carolina Planning Regions. Raleigh, North Carolina: Bureau of Employment Security Research, P. O. Box 25903, 1975.

17. Manpower Data and Vocational Education, A National Study of Availability and Use. Raleigh, North Carolina: Center for Occupational Education, The North Carolina State University, 1975.

18. "Worker Demand and Supply by Occupation." Norton, Virginia: State of Virginia Employment Security, September, 1973. VEC-MR-60.

19. State of Tennessee Economic and Community Development Demand Survey 1974-1975. Knoxville, Tennessee: Tennessee Research Coordinating Unit for Vocational-Technical Education, The University of Tennessee.

20. Net Migration in the Southeast 1960-1970. Knoxville, Tennessee: Center for Business and Economic Research, College of Business Administration, The University of Tennessee, April, 1973.

21. Tennessee Statistical Abstract, 1974. Knoxville, Tennessee: Center for Business and Economic Research, College of Business Administration, The University of Tennessee.

22. "Selected Data for Educational Planners." Knoxville, Tennessee: Tennessee Research Coordinating Unit for Vocational-Technical Education, The University of Tennessee, 1973.

23. Cost Analysis of Secondary Schools Vocational-Technical Education Programs, 1973. Knoxville, Tennessee: Tennessee Research Coordinating Unit for Vocational-Technical Education, The University of Tennessee.

APPENDIX C

Regional Information Coding System

REGIONAL INFORMATION CODING SYSTEM

STATE CODES

1 = Tennessee
2 = North Carolina
3 = Virginia
4 - Future Expansion

PLANNING DEVELOPMENT DISTRICT CODES

1 = Tennessee
- 01 = First Tennessee
- 02 = East Tennessee
- 03 = Southeast Tennessee
- 04 = Upper Cumberland
- 05 = Mid Cumberland
- 06 = South Central
- 07 = Northwest
- 08 = Southwest
- 09 = Memphis Delta

2 = North Carolina
- 01 = Southwest
- 02 = Region B
- 03 = Mountain Scenic

3 = Virginia
- 01 = Lenowisco
- 02 = Cumberland Plateau
- 03 = Mount Rogers

COUNTY CODES

1 = Tennessee
- 01 = First Tennessee
  - 01 = Carter
  - 02 = Greene
  - 03 = Hancock
  - 04 = Hawkins
  - 05 = Johnson
  - 06 = Sullivan
  - 07 = Unicoi
  - 08 = Washington

2 = North Carolina
- 03 = Mountain Scenic
  - 01 = Alleghany
  - 02 = Ashe
  - 03 = Avery
  - 04 = Mitchell
  - 05 = Watauga
  - 06 = Wilkes
  - 07 = Yancey

3 = Virginia
- 01 = Lenowisco
  - 01 = Lee
  - 02 = Scott
  - 03 = Wise
  - 04 = Norton City

CITY COUNTY SCHOOL SYSTEM CODES

1 = County School System
2 = City School System

INDIVIDUAL SCHOOL CODES

1 TENNESSEE 01-FIRST TENNESSEE

1-01-01-Carter County
1-001 Cloudland High
1-002 Hampton High
1-003 Happy Valley High
1-004 Happy Valley Middle
1-005 Unaka High

City
2-006 Elizabethton High
2-007 Elizabethton Jr. High

1-01-02-Greene County (1)
1-001 Baileyton Jr. High
1-002 Chuckey Doak High
1-003 Doak Jr. High
1-004 Mosheim Jr. High
1-005 Northgreen High School
1-006 South Greene High School
1-007 West Greene High School

Greeneville City (2)
2-008 Greeneville High
2-009 Greeneville Middle
2-010 Greeneville Vocational

1-01-03-Hancock County
1-001 Hancock High School

1-01-04-Hawkins County
1-001 Bulls Gap
1-002 Church Hill High School
1-003 Clinch High School
1-004 Rogersville High School
1-005 Surgoinsville High School

1-01-05-Johnson City
1-001 Johnson County High School

1-01-06-Sullivan County
1-001 Blountville Jr. High
1-002 Bluff City Jr. High
1-003 Central High School
1-004 Colonial Heights Jr. High
1-005 East High School
1-006 Holston High School
1-007 Holston Valley Jr. High
1-008 Ketron High School
1-009 Lynn View High School
1-010 Mary Hughes Jr. High
1-011 Sullivan High School

1-01-06-Sullivan County (cont'd)
2-012 Bristol-Sullivan Tech.
2-013 Vance Jr. High
2-014 Tennessee High School
2-015 Dobyns Bennett High School
2-016 Robinson Jr. High
2-017 Sevier Jr. High

1-01-07-Unicoi County
1-001 Unicoi County High School

1-01-08-Washington County
1-001 Boones Creek Middle School
1-002 Daniel Boone School
1-003 David Crocket High School
1-004 Fall Branch School
1-005 Jonesboro Middle School
1-006 Kings Spring School
1-007 Lamar School
1-008 Sulphur Springs School
1-009 Westview School
2-010 Johnson City Vocational School
2-011 Constitutional Hall Jr. High School
2-012 Science Hill High School
2-013 Independence Hall Jr. High School
2-014 University High School

2 NORTH CAROLINA 03-MOUNTAIN SCENIC P/DD

	North Carolina State Codes
2-03-01-Alleghany County	
1-001 Alleghany High School	(030-304)
2-03-02-Ashe County	
1-001 Ashe Central High School	(050-304)
1-002 Beaver Creek High School	(050-308)
1-003 Northwest High School	(050-336)
2-03-03-Avery County	
1-001 Avery High School	(060-302)
2-03-04-Mitchell County	
1-001 Bowman High School	(610-304)
1-002 Harris High School	(610-324)
2-03-06-Wilkes County	
1-001 East Wilkes High School	(970-320)
1-002 North Wilkes High School	(970-356)
1-003 West Wilkes High School "North Wilkesboro City"	(970-388)
2-004 Wilkes Central High School	(971-308)

2-03-07-Yancey County
1-001 Cane River High School (995-317)
1-002 East Yancey High School (995-324)

3 VIRGINIA

3-01-01-Lee County
1-001 Pennington High School
1-002 Thomas Walker
1-003 Dryden
1-004 Flatwoods
1-005 Jonesville
1-006 Keokee
1-007 Lee County Vocational School

3-01-02-Scott County
1-001 Gate City High School
1-002 Rye Cove High School
1-003 Two Springs High School
1-004 Scott County Vocational School

3-01-03-Wise County
1-004 Norton City

REGIONAL INFORMATION SYSTEM

USOE COUNTY #

********** CROSSTABULATION OF THE TEACHER FILE **********

DEGREE BY YEARS EMPLOYED IN EDUC BY

****

--> DEGREE <-- PAGE 1 OF 1

COUNT / ROW PCT / COL PCT	--> YEARS EMPLOYED IN EDUC <-- 01	02	03	04	05	06	07	08	(LEGEND BELOW) ----->>>
NO INFO	0023	0000	0000	0000	0000	0000	0000	0023	
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	095.8	000.0	000.0	000.0	000.0	000.0	000.0	000.0	
NONE	0000	0011	0015	0008	0009	0009	0006	0000	0058
	000.0	018.9	025.8	013.7	015.5	015.5	010.3	000.0	019.3
	000.0	031.4	057.6	033.3	033.3	011.6	012.0	000.0	000.0
ASSOCIATE	0000	0000	0000	0000	0002	0000	0001	0001	0004
	000.0	000.0	000.0	000.0	050.0	000.0	025.0	025.0	001.3
	000.0	000.0	000.0	000.0	007.4	000.0	002.0	002.7	000.0
B.S.	0001	0022	0010	0012	0009	0026	0019	0011	0110
	000.9	020.0	009.0	010.9	008.1	023.6	017.2	010.0	036.6
	004.1	062.8	038.4	050.0	033.3	033.7	038.0	029.7	000.0
B.S. + 30	0000	0001	0000	0002	0005	0018	0005	0008	0039
	000.0	002.5	000.0	005.1	012.8	046.1	012.8	020.5	013.0
	000.0	002.8	000.0	008.3	018.5	023.3	010.0	021.6	000.0
M.S.	0000	0001	0001	0002	0002	0023	0018	0014	0061
	000.0	001.6	001.6	003.2	003.2	037.7	029.5	022.9	020.3
	000.0	002.8	003.8	008.3	007.4	029.8	036.0	037.8	000.0
M.S. + 30	0000	0000	0000	0000	0000	0001	0001	0003	0005
	000.0	000.0	000.0	000.0	000.0	020.0	020.0	060.0	001.6
	000.0	000.0	000.0	000.0	000.0	001.2	002.6	003.1	000.0
ED.S.	0000	0000	0000	0000	0000	0000	0000	0000	

DOCTORATE

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	000 0	000 0	000 0	000 0	000 0	000 0	000 0	000 0	000 0			

TOTALS												
	0024	0025	0026	0024	0027	0077	0050	0017	0100			
	008 0	011 6	008 6	008 0	009 0	025 6	016 6	012 3	100 0			
	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	000 0			

LEGEND

1	NO INFO
2	1 YEAR
3	2 YEARS
4	3 YEARS
5	4 YEARS
6	5-10 YEARS
7	11-20 YEARS
8	21 OR MORE YEARS

REGIONAL INFORMATION SYSTEM

USOE DESIRED - COUNTY CHECKED -

********** CROSSTABULATION OF STUDENT FILE **********

1ST 2 DIGITS OF USOE BY GRADE LEVEL BY

--> 1ST 2 DIGITS OF USOE <-- PAGE 1 OF 1

COUNT ^ --> GRADE LEVEL<-- (LEGEND BELOW)
ROW PCT. ^ ----->>>
COL PCT. ^

	01	02	03	04	05	06	07	08	09	10	11	12	
01	0000	0000	0000	0000	0016	0016	0014	0017	0000	0000	0000	0000	0063
	000.0	000.0	000.0	000.0	025.3	025.3	022.2	026.9	000.0	000.0	000.0	000.0	023.4
	000.0	000.0	000.0	000.0	019.0	019.2	025.4	036.1	000.0	000.0	000.0	000.0	000.0
04	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
07	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
09	0000	0000	0000	0000	0034	0046	0019	0011	0000	0000	0000	0000	0110
	000.0	000.0	000.0	000.0	030.9	041.8	017.2	010.0	000.0	000.0	000.0	000.0	040.8
	000.0	000.0	000.0	000.0	040.4	055.4	034.5	023.4	000.0	000.0	000.0	000.0	000.0
10	0000	0000	0000	0000	0034	0021	0022	0019	0000	0000	0000	0000	0096
	000.0	000.0	000.0	000.0	035.4	021.8	022.9	019.7	000.0	000.0	000.0	000.0	035.6
	000.0	000.0	000.0	000.0	040.4	025.3	044.0	040.4	000.0	000.0	000.0	000.0	000.0
14	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
16	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0
17													

19

99														
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TOTALS														
	0000	0000	0000	0000	0094	0083	0055	0047	0000	0000	0000	0000	0000	0269
	000 0	000 0	000 0	000 0	011 2	010 8	020 4	017 4	000 0	000 0	000 0	000 0	000 0	269 0
	000 0	000 0	000 0	000 0	100 0	100 0	100 0	100 0	000 0	000 0	000 0	000 0	000 0	000 0

LEGEND

1	NO INFO
2	LESS THAN 7TH
3	7TH
4	8TH
5	9TH
6	10TH
7	11TH
8	12TH
9	APPRENTICE
10	POST SECONDARY
11	ADULT PREPARATORY
12	ADULT SUPPLEMENTRY

APPENDIX D

Selected Data by County

ASHE COUNTY

Frank James, Supt.
Administration Building
Jefferson, N. C. 28640
(919) 246-7175

8 Elementary Schools
3 Secondary Schools

PUPIL INFORMATION

Pupil Accounting

1973-74	K	1	2	3	4	5	6	7	8	SP	9	10	11	12	SP	TOTAL
ENROLL	150	325	351	323	387	346	394	423	426	12	410	363	289	313		4512
ADM	129	318	337	313	384	341	384	417	417	13	385	337	270	295		4340
ADA	114	294	317	293	360	322	366	394	394	10	355	313	249	270		4051
MLD	134	316	345	311	387	344	386	416	420	14	371	321	260	289		4314
N-P		4	1			1	1	1		14	22	8	1	1		54
1974-75																
ENROLL	207	315	323	341	317	390	358	395	423		444	353	310	253		4429
ADM	197	315	320	340	313	390	355	394	421		439	351	308	252		4395
ADA	187	299	310	330	304	377	345	379	407		418	333	292	238		4219

Projected Average Daily Membership

	K	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
1975-76	211	298	287	326	342	313	394	352	382	410	372	302	274	4263
1976-77	258	281	300	292	325	343	320	397	348	380	368	326	280	4218
1977-78	265	274	283	306	291	326	351	323	392	346	341	322	302	4122
1978-79	258	277	276	288	305	291	334	354	319	390	310	299	299	4000

Number of Students Being Served by Exceptional Children Program

	CRIPPLED	EMOTIONALLY DISTURBED	EDUCABLE MENTALLY RETARDED	GIFTED AND TALENTED	HOMEBOUND AND/OR HOSPITALIZED	HEARING IMPAIRED	LEARNING DISABLED	MULTIPLE-HANDICAPPED	SPEECH IMPAIRED	VISUALLY IMPAIRED	TOTAL
NO. OF STUDENTS	-	-	186	86	-	-	26	-	223	-	521

Pupil Membership by Ethnic Distribution, Fall, 1974

American Indian	Black American	Asian American	Spanish Surnamed American	Others	TOTAL
1	55	2		4373	4431

*Promotions Are Derived By Subtracting Non-Promotions From Membership Last Day.

Source: Statistical Profile, North Carolina Public Schools, 1975.

EMPLOYMENT STATUS

COUNTY: WATAUGA

	Male, 16 Yrs. and Over		Female, 16 Yrs. and Over	
	County	State	County	State
Total	8,493	1,691,734	9,459	1,827,782
Labor Force	5,346	1,309,299	3,317	850,553
% of Total	62.9	77.4	35.1	46.5
Civilian Labor Force	5,336	1,205,721	3,317	849,117
Employed	5,150	1,176,912	3,206	807,490
Unemployed	186	28,809	111	41,627
% of Civilian Labor Force	3.5	2.4	3.3	4.9
Not in Labor Force	3,147	382,435	6,142	977,229
Enrolled in School	1,863		2,322	
Other	1,284		3,820	

PLACE OF WORK

COUNTY: WATAUGA

ALL WORKERS	8,239
WORKED IN COUNTY OF RESIDENCE	6,662
PERCENT OF ALL WORKERS	80.9
WORKED OUTSIDE COUNTY OF RESIDENCE	1,081
PLACE OF WORK NOT RECORDED	496

Census of Population, 1970

POPULATION GROWTH

HANCOCK COUNTY

PERCENTAGE OF 1960 POPULATION THAT IS:

POP	%	AGE	MALE 9 8 7 6 5 4 3 2 1	FEMALE 1 2 3 4 5 6 7 8 9	AGE	%	POP
22	0.28	85+	**		85+	0.18	14
33	0.43	80-84	**		80-84	0.36	28
65	0.84	75-79	******		75-79	0.92	71
101	1.30	70-74	********		70-74	1.17	91
125	1.61	65-69	**********		65-69	1.57	122
138	1.78	60-64	**********		60-64	1.80	140
190	2.45	55-59	**********		55-59	1.68	208
209	2.69	50-54	**********		50-54	2.50	194
209	2.69	45-49	**********		45-49	2.66	206
205	2.64	40-44	**********		40-44	2.67	207
223	2.87	35-39	**********		35-39	3.31	257
201	2.59	30-34	**********		30-34	3.11	241
200	2.58	25-29	**********		25-29	2.67	207
232	2.99	20-24	**********		20-24	3.02	234
396	5.11	15-19	**********		15-19	4.81	373
449	5.79	10-14	**********		10-14	6.51	505
390	5.03	5-9	**********		5-9	5.36	416
416	5.36	0-4	**********		0-4	5.66	439
3804	49.04	TOTAL			TOTAL	50.96	3953

TOTAL POPULATION = 7,757

PERCENTAGE OF 1970 POPULATION THAT IS:

POP	%	AGE	MALE 9 8 7 6 5 4 3 2 1	FEMALE 1 2 3 4 5 6 7 8 9	AGE	%	POP
23	0.34	85+	**		85+	0.43	29
36	0.54	80-84	****		80-84	0.52	35
70	1.04	75-79	******		75-79	1.00	67
85	1.27	70-74	*********		70-74	1.56	105
144	2.41	65-69	**********		65-69	2.28	153
164	2.44	60-64	**********		60-64	2.57	173
179	2.66	55-59	**********		55-59	2.78	187
180	2.68	50-54	**********		50-54	2.93	197
181	2.69	45-49	**********		45-49	3.30	222
209	3.11	40-44	**********		40-44	2.96	199
161	2.40	35-39	**********		35-39	3.08	207
162	2.41	30-34	**********		30-34	2.50	168
196	2.92	25-29	**********		25-29	2.60	175
227	3.38	20-24	**********		20-24	3.90	262
331	4.93	15-19	**********		15-19	4.70	316
374	5.57	10-14	**********		10-14	5.74	386
304	4.52	5-9	**********		5-9	4.20	282
280	4.17	0-4	**********		0-4	3.72	250

APPENDIX E

Occupational Demand Subfiles

1970-1980. . . . . TENNESSEE. . . .

FIRST TENNESSEE-VIRGINIA DEVELOPMENT DISTRICT

CODE	OCCUPATIONAL CATEGORIES	TOTAL ESTIMATED EMPLOYMENT 1970	1975	1976 SEP*	1976 CHNG**	1976 SEP + CHNG***	1976 NEW**** FORCE	1977 SEP*	1977 CHNG**	1977 SEP + CHNG***	1977 NEW**** FORCE
001	ENGINEERING RELATED	1881	2406	35	105	140	2511	37	105	142	2616
002	HEALTH OCC. EXC. PRACTITIONERS	4387	5647	479	252	731	5899	500	252	752	6151
003	REL. TECH HLTH H. EC OFF MIS	2537	3467	81	186	267	3653	85	186	271	3839
004	SUPERVISORY & MANAGEMENT OCCUP.	6396	8816	281	484	765	9300	296	484	780	9784
005	SALESWORKERS	8375	8790	352	83	435	8873	355	83	438	8956
006	STENOS. SECRETARIES AND TYPISTS	5325	7090	491	353	844	7443	514	353	867	7796
007	OFFICE OCCUP. & MACHINE OPERATORS	679	1094	55	83	138	1177	59	83	142	1260
008	OTHER CLER. INCL INFO & PERSONNEL	13467	16832	806	673	1479	17505	838	673	1511	18178
009	CARPENTERS AND WOODWORKERS	2958	3193	73	47	120	3240	74	47	121	3287
010	MASONERS	825	1070	18	49	67	1119	18	49	67	1168
011	HEAVY EQUIPMENT OPERATORS	1251	1576	27	65	92	1641	28	65	93	1706
012	ELECTRICAL OCCUPATIONS	1194	1589	23	79	102	1668	24	79	103	1747
013	PAINTERS	786	821	25	7	32	828	26	7	33	835
014	PLASTERERS	29	29	0	0	0	29	0	0	0	29
015	PLUMBERS AND PIPEFITTERS	883	1128	26	49	75	1177	27	49	76	1226
016	ROOFERS AND SLATERS	176	251	3	15	18	266	4	15	19	281
017	OTHER METAL WORKERS	2598	2918	63	64	127	2982	64	64	128	3046
018	DRILL PRESS OPERATORS	124	114	1	-2	-1	112	1	-2	-1	110
019	FURNACEMEN SMELTERS POURERS	153	178	2	5	7	183	2	5	7	188
020	METAL PLATERS	124	119	1	-1	0	118	1	-1	0	117
021	WELDERS AND FLAMECUTTERS	1754	2374	35	124	159	2498	36	124	160	2622
022	FOREMEN / WAREHOUSEMEN	4613	6313	111	340	451	6653	117	340	457	6993
023	AIR CONDITIONING REFRIGERATION	202	332	5	26	31	358	5	26	31	384
024	HEAVY EQUIP. MECH. INCL. DIESEL	1565	2535	46	194	240	2729	50	194	244	2923
025	AUTO MECHANICS	1645	1905	31	52	83	1957	32	52	84	2009

626	AUTO BODY REPAIR	246	281	3	7	10	288	3	7	10	295
627	OTHER AUTOMOTIVE SERVICES	5	5	0	0	0	5	0	0	0	5
628	INSTRUMENT MAINT & OTHER REPAIR	632	522	12	-22	-10	500	12	-22	-10	478
629	APPLIANCE REPAIRMEN	155	180	2	5	7	185	2	5	7	190
630	AVIATION OCCUPATIONS	202	332	12	26	38	358	13	26	39	384
631	BUSINESS MACHINE MAINTENANCE	191	226	1	7	8	233	1	7	8	240
632	MATERIALS SUPPORT OCCUPATIONS	1586	1816	35	46	81	1862	35	46	81	1908
633	RADIO AND TELEVISION REPAIRMEN	405	485	7	16	23	501	7	16	23	517
634	TEXTILE PRODUCTION & FABRICATION	4516	4436	104	-16	88	4420	104	-16	88	4404
635	BOOKBINDERS	346	361	14	3	17	364	14	3	17	367
636	COMPOSITORS AND TYPESETTERS	335	345	9	2	11	347	9	2	11	349
637	LITHOGRAPHERS AND PHOTOENGRAVERS	84	124	3	8	11	132	3	8	11	140
638	OTHER GRAPHIC ARTS OCCUPATIONS	478	648	14	34	48	682	15	34	49	716
639	TELEPHONE INSTALLERS AND SPLICERS	452	592	4	28	32	620	4	28	32	648
640	ELECTRICAL LINEMEN	217	282	3	13	16	295	3	13	16	308
641	STATIONARY ENERGY SOURCES OCCUP.	326	271	6	-11	-5	260	6	-11	-5	249
642	TRUCK BUS AND TAXI DRIVERS	5013	5308	137	59	196	5367	139	59	198	5426
643	DELIVERY AND ROUTEMEN	1234	1539	26	61	87	1600	27	61	88	1661
644	CUSTODIAL SERVICES	3487	4077	186	118	304	4195	191	118	309	4313
645	FOOD OCCUPATIONS	4250	4780	239	106	345	4886	245	106	351	4992
646	PERSONAL SERVICE WORKERS	2295	2880	155	117	272	2997	161	117	278	3114
647	PUBLIC SERVICE OCCUPATIONS	1231	1686	68	91	159	1777	71	91	162	1868
648	PRIVATE HOUSEHOLD WORKERS	2168	2033	96	-27	69	2006	95	-27	68	1979
649	FORESTRY (PRODUCTION PROCESSING)	240	210	3	-6	-3	204	3	-6	-3	198
650	COMMERCIAL ART OCCUPATIONS	25	20	0	-1	-1	19	0	-1	-1	18
651	CRAFTSMEN PLASTICS & LEATHER	1400	1545	31	29	60	1574	32	29	61	1603
652	AGRI. MECHANICS & RELATED TECH.	58	53	1	-1	0	52	1	-1	0	51
653	FARM WORKERS LABORERS FOREMEN	6702	5947	186	-151	35	5796	181	-151	30	5645
654	OTHER CONSTRUCTION & MAINT TRADES	25141	27711	477	514	991	28225	485	514	999	28739
	TOTALS	127347	149282	0	0	0	153669	0	0	0	158056

CODE	OCCUPATIONAL CATEGORIES	TOTAL ESTIMATED EMPLOYMENT 1978 SEP*	1978 CHNG**	1978 SEP + CHNG***	1978 NEW**** FORCE	1979 SEP*	1979 CHNG**	1979 SEP + CHNG***	1979 NEW**** FORCE	1980 SEP*	1980 CHNG**	1980 SEP + CHNG***	1980 NEW**** FORCE
001	ENGINEERING RELATED	38	105	143	2721	40	105	145	2826	41	105	146	2931
002	HEALTH OCC. EXC. PRACTITIONERS	520	252	772	6403	541	252	793	6655	561	252	813	6907
003	REL. TECH HLTH H. EC. OFF MIS	90	186	276	4025	94	186	280	4211	98	186	284	4397
004	SUPERVISORY & MANAGEMENT OCCUP.	311	484	795	10268	325	484	809	10752	340	484	824	11236
005	SALESWORKERS	358	83	441	9039	362	83	445	9122	365	83	448	9205
006	STENOS. SECRETARIES AND TYPISTS	537	353	890	8149	561	353	914	8502	584	353	937	8855
007	OFFICE OCCUP. & MACHINE OPERATORS	63	83	146	1343	67	83	150	1426	71	83	154	1509
008	OTHER CLER. INCL INFO & PERSONNEL	869	673	1542	18851	900	673	1573	19524	931	673	1604	20197
009	CARPENTERS AND WOODWORKERS	76	47	123	3334	77	47	124	3381	78	47	125	3428
010	MASONERS	19	49	68	1217	20	49	69	1266	21	49	70	1315
011	HEAVY EQUIPMENT OPERATORS	29	65	94	1771	30	65	95	1836	31	65	96	1901
012	ELECTRICAL OCCUPATIONS	25	79	104	1826	26	79	105	1905	27	79	106	1984
013	PRINTERS	26	7	33	842	26	7	33	849	26	7	33	856
014	PLASTERERS	0	0	0	29	0	0	0	29	0	0	0	29
015	PLUMBERS AND PIPEFITTERS	28	49	77	1275	29	49	78	1324	30	49	79	1373
016	ROOFERS AND SLATERS	4	15	19	296	4	15	19	311	4	15	19	326
017	OTHER METAL WORKERS	65	64	129	3110	67	64	131	3174	68	64	132	3238
018	DRILL PRESS OPERATORS	1	-2	-1	108	1	-2	-1	106	1	-2	-1	104
019	FURNACEMEN SMELTERS POURERS	2	5	7	193	2	5	7	198	2	5	7	203
020	METAL PLATERS	1	-1	0	116	1	-1	0	115	1	-1	0	114
021	WELDERS AND FLAMECUTTERS	38	124	162	2746	40	124	164	2870	42	124	166	2994
022	FOREMEN / WAREHOUSEMEN	123	340	463	7333	128	340	468	7673	134	340	474	8013
023	AIR CONDITIONING REFRIGERATION	5	26	31	410	6	26	32	436	6	26	32	462
024	HEAVY EQUIP. MECH. INCL. DIESEL	53	194	247	3117	56	194	250	3311	60	194	254	3505
025	AUTO MECHANICS	33	52	85	2061	34	52	86	2113	34	52	86	2165
026	AUTO BODY REPAIR	3	7	10	302	4	7	11	309	4	7	11	316

027	OTHER AUTOMOTIVE SERVICES	0	0	0	5	0	0	0	5	0	0	0	5
028	INSTRUMENT MAINT & OTHER REPAIR	11	-22	-11	456	11	-22	-11	434	10	-22	-12	412
029	APPLIANCE REPAIRMEN	3	5	8	195	3	5	8	200	3	5	8	205
030	AVIATION OCCUPATIONS	14	26	40	410	15	26	41	436	16	26	42	462
031	BUSINESS MACHINE MAINTENANCE	1	7	8	247	2	7	9	254	2	7	9	261
032	MATERIALS SUPPORT OCCUPATIONS	36	46	82	1954	37	46	83	2000	38	46	84	2046
033	RADIO AND TELEVISION REPAIRMEN	7	16	23	533	8	16	24	549	8	16	24	565
034	TEXTILE PRODUCTION & FABRICATION	103	-16	87	4388	103	-16	87	4372	103	-16	87	4356
035	BOOKBINDERS	14	3	17	370	14	3	17	373	14	3	17	376
036	COMPOSITORS AND TYPESETTERS	9	2	11	351	9	2	11	353	10	2	12	355
037	LITHOGRAPHERS AND PHOTOENGRAVERS	3	8	11	148	3	8	11	156	3	8	11	164
038	OTHER GRAPHIC ARTS OCCUPATIONS	16	34	50	750	16	34	50	784	17	34	51	818
039	TELEPHONE INSTALLERS AND SPLICERS	4	28	32	676	5	28	33	704	5	28	33	732
040	ELECTRICAL LINEMEN	3	13	16	321	3	13	16	334	3	13	16	347
041	STATIONARY ENERGY SOURCES OCCUP.	6	-11	-5	238	5	-11	-6	227	5	-11	-6	216
042	TRUCK BUS AND TAXI DRIVERS	140	59	199	5485	142	59	201	5544	143	59	202	5603
043	DELIVERY AND ROUTEMEN	28	61	89	1722	29	61	90	1783	30	61	91	1844
044	CUSTODIAL SERVICES	196	118	314	4431	201	118	319	4549	207	118	325	4667
045	FOOD OCCUPATIONS	250	106	356	5098	255	106	361	5204	260	106	366	5310
046	PERSONAL SERVICE WORKERS	168	117	285	3231	174	117	291	3348	180	117	297	3465
047	PUBLIC SERVICE OCCUPATIONS	75	91	166	1959	78	91	169	2050	82	91	173	2141
048	PRIVATE HOUSEHOLD WORKERS	94	-27	67	1952	92	-27	65	1925	91	-27	64	1898
049	FORESTRY (PRODUCTION PROCESSING)	3	-6	-3	192	3	-6	-3	186	3	-6	-3	180
050	COMMERCIAL ART OCCUPATIONS	0	-1	-1	17	0	-1	-1	16	0	-1	-1	15
051	CRAFTSMEN PLASTICS & LEATHER	33	29	62	1632	33	29	62	1661	34	29	63	1690
052	AGRI. MECHANICS & RELATED TECH.	1	-1	0	50	0	-1	-1	49	0	-1	-1	48
053	FARM WORKERS LABORERS FOREMEN	176	-151	25	5494	172	-151	21	5343	167	-151	16	5192
054	OTHER CONSTRUCTION & MAINT TRADES	494	514	1008	29253	503	514	1017	29767	511	514	1025	30281
TOTALS		0	0	0	324886	0	0	0	333660	0	0	0	342434

* SEP RATES DERIVED FROM 'TOMORROWS MANPOWER NEEDS', SUPP 4, U.S. DEPT. OF LABOR, 1974
** CHANGE FIGURES DERIVED FROM RESEARCH CONDUCTED BY TVA-CEER, MARCH, 1975
*** HIRES REQUIRED = SEP + CHANGE

. . . . . EMPLOYMENT BY OCCUPATIONAL DEMAND SUBFILE. .

1970-1980. . . . . TENNESSEE. . .

FIRST TENNESSEE-VIRGINIA DEVELOPMENT DISTRICT

CODE	OCCUPATIONAL CATEGORIES	PERCENTAGE OF OCCUPATIONAL DEMAND				
		1976	1977	1978	1979	1980
001	ENGINEERING RELATED	1.63	1.65	1.67	1.69	1.71
002	HEALTH OCC. EXC. PRACTITIONERS	3.83	3.89	3.94	3.98	4.03
003	REL. TECH HLTH H. EC. OFF MIS	2.37	2.42	2.47	2.52	2.56
004	SUPERVISORY & MANAGEMENT OCCUP.	6.05	6.19	6.32	6.44	6.56
005	SALESWORKERS	5.77	5.66	5.56	5.46	5.37
006	STENOS SECRETARIES AND TYPISTS	4.84	4.93	5.01	5.09	5.17
007	OFFICE OCCUP. & MACHINE OPERATORS	0.76	0.79	0.82	0.85	0.88
008	OTHER CLER. INCL INFO & PERSONNEL	11.39	11.50	11.60	11.70	11.79
009	CARPENTERS AND WOODWORKERS	2.10	2.07	2.05	2.02	2.00
010	MASONERS	0.72	0.73	0.74	0.75	0.76
011	HEAVY EQUIPMENT OPERATORS	1.06	1.07	1.09	1.10	1.11
012	ELECTRICAL OCCUPATIONS	1.08	1.10	1.12	1.14	1.15
013	PAINTERS	0.53	0.52	0.51	0.50	0.49
014	PLASTERERS	0.01	0.01	0.01	0.01	0.01
015	PLUMBERS AND PIPEFITTERS	0.76	0.77	0.78	0.79	0.80
016	ROOFERS AND SLATERS	0.17	0.17	0.18	0.18	0.19
017	OTHER METAL WORKERS	1.94	1.92	1.91	1.90	1.89
018	DRILL PRESS OPERATORS	0.07	0.06	0.06	0.06	0.06
019	FURNACEMEN SMELTERS POURERS	0.11	0.11	0.11	0.11	0.11
020	METAL PLATERS	0.07	0.07	0.07	0.06	0.06
021	WELDERS AND FLAMECUTTERS	1.62	1.65	1.69	1.72	1.74
022	FOREMEN / WAREHOUSEMEN	4.32	4.42	4.51	4.59	4.68
023	AIR CONDITIONING REFRIGERATION	0.23	0.24	0.25	0.26	0.26
024	HEAVY EQUIP. MECH. INCL. DIESEL	1.77	1.84	1.91	1.98	2.04
025	AUTO MECHANICS	1.27	1.27	1.26	1.26	1.26

026	AUTO BODY REPAIR	0.18	0.18	0.18	0.18	0.18
027	OTHER AUTOMOTIVE SERVICES	0.00	0.00	0.00	0.00	0.00
028	INSTRUMENT MAINT. & OTHER REPAIR	0.32	0.30	0.28	0.26	0.24
029	APPLIANCE REPAIRMEN	0.12	0.12	0.12	0.11	0.11
030	AVIATION OCCUPATIONS	0.23	0.24	0.25	0.26	0.26
031	BUSINESS MACHINE MAINTENANCE	0.15	0.15	0.15	0.15	0.15
032	MATERIALS SUPPORT OCCUPATIONS	1.21	1.20	1.20	1.19	1.19
033	RADIO AND TELEVISION REPAIRMEN	0.32	0.32	0.32	0.32	0.32
034	TEXTILE PRODUCTION & FABRICATION	2.87	2.78	2.70	2.62	2.54
035	BOOKBINDERS	0.23	0.23	0.22	0.22	0.21
036	COMPOSITORS AND TYPESETTERS	0.22	0.22	0.21	0.21	0.20
037	LITHOGRAPHERS AND PHOTOENGRAVERS	0.08	0.08	0.09	0.09	0.09
038	OTHER GRAPHIC ARTS OCCUPATIONS	0.44	0.45	0.46	0.46	0.47
039	TELEPHONE INSTALLERS AND SPLICERS	0.40	0.40	0.41	0.42	0.42
040	ELECTRICAL LINEMEN	0.19	0.19	0.19	0.20	0.20
041	STATIONARY ENERGY SOURCES OCCUP.	0.16	0.15	0.14	0.13	0.12
042	TRUCK, BUS, AND TAXI DRIVERS	3.49	3.43	3.37	3.32	3.27
043	DELIVERY AND ROUTEMEN	1.04	1.05	1.06	1.06	1.07
044	CUSTODIAL SERVICES	2.72	2.72	2.72	2.72	2.72
045	FOOD OCCUPATIONS	3.17	3.15	3.13	3.11	3.10
046	PERSONAL SERVICE WORKERS	1.95	1.97	1.98	2.00	2.02
047	PUBLIC SERVICE OCCUPATIONS	1.15	1.18	1.20	1.22	1.25
048	PRIVATE HOUSEHOLD WORKERS	1.30	1.25	1.20	1.15	1.10
049	FORESTRY (PRODUCTION, PROCESSING)	0.13	0.12	0.11	0.11	0.10
050	COMMERCIAL ART OCCUPATIONS	0.01	0.01	0.01	0.00	0.00
051	CRAFTSMEN, PLASTICS & LEATHER	1.02	1.01	1.00	0.99	0.98
052	AGRI. MECHANICS & RELATED TECH.	0.03	0.03	0.03	0.02	0.02
053	FARM WORKERS, LABORERS, FOREMEN	3.77	3.57	3.38	3.20	3.03
054	OTHER CONSTRUCTION & MAINT TRADES	18.36	18.18	18.00	17.84	17.68

OCCUPATIONAL DEMAND BY RANK IN IMPORTANCE 1976-1980

CODE	OCCUPATIONAL CATEGORIES	1976	1977	1978	1979	1980
001	ENGINEERING RELATED	18	19	19	19	19
002	HEALTH OCC EXC. PRACTITIONERS	7	7	7	7	7
003	REL TECH) HLTH H EC OFF MIS	13	13	13	13	12
004	SUPERVISORY & MANAGEMENT OCCUP	3	3	3	3	3
005	SALESWORKERS	4	4	4	4	4
006	STENOS SECRETARIES AND TYPISTS	5	5	5	5	5
007	OFFICE OCCUP & MACHINE OPERATORS	29	28	28	28	28
008	OTHER CLER. INCL INFO & PERSONNEL	2	2	2	2	2
009	CARPENTERS AND WOODWORKERS	14	14	14	14	16
010	MASONERS	30	30	30	30	30
011	HEAVY EQUIPMENT OPERATORS	25	25	25	25	24
012	ELECTRICAL OCCUPATIONS	24	24	24	24	23
013	PAINTERS	31	31	31	31	31
014	PLASTERERS	52	52	52	52	52
015	PLUMBERS AND PIPEFITTERS	28	29	29	29	29
016	ROOFERS AND SLATERS	42	42	42	41	41
017	OTHER METAL WORKERS	16	16	17	17	17
018	DRILL PRESS OPERATORS	50	50	50	50	50
019	FURNACEMEN SMELTERS POURERS	47	47	46	46	46
020	METAL PLATERS	49	49	49	49	49
021	WELDERS AND FLAMECUTTERS	19	18	18	18	18
022	FOREMEN / WAREHOUSEMEN	6	6	6	6	6
023	AIR CONDITIONING REFRIGERATION	38	37	37	36	36
024	HEAVY EQUIP. MECH. INCL. DIESEL	17	17	16	16	14
025	AUTO MECHANICS	21	20	20	20	20
026	AUTO BODY REPAIR	41	41	41	42	42
027	OTHER AUTOMOTIVE SERVICES	54	54	54	54	54
028	INSTRUMENT MAINT & OTHER REPAIR	35	35	35	37	37
029	APPLIANCE REPAIRMEN	46	46	45	45	45
030	AVIATION OCCUPATIONS	37	36	36	35	35
031	BUSINESS MACHINE MAINTENANCE	44	44	43	43	43
032	MATERIALS SUPPORT OCCUPATIONS	22	22	22	22	22
033	RADIO AND TELEVISION REPAIRMEN	34	34	34	34	34
034	TEXTILE PRODUCTION & FABRICATION	11	11	12	12	13
035	BOOKBINDERS	36	38	38	38	38
036	COMPOSITORS AND TYPESETTERS	39	39	39	39	39
037	LITHOGRAPHERS AND PHOTOENGRAVERS	48	48	48	48	48
038	OTHER GRAPHIC ARTS OCCUPATIONS	32	32	32	32	32
039	TELEPHONE INSTALLERS AND SPLICERS	33	33	33	33	33
040	ELECTRICAL LINEMEN	40	40	40	40	40
041	STATIONARY ENERGY SOURCES OCCUP.	43	43	44	44	44
042	TRUCK BUS AND TAXI DRIVERS	9	9	9	8	8
043	DELIVERY AND ROUTEMEN	26	26	26	26	26
044	CUSTODIAL SERVICES	12	12	11	11	11
045	FOOD OCCUPATIONS	10	10	10	10	9
046	PERSONAL SERVICE WORKERS	15	15	15	15	15
047	PUBLIC SERVICE OCCUPATIONS	23	23	21	21	21
048	PRIVATE HOUSEHOLD WORKERS	20	21	23	23	25
049	FORESTRY (PRODUCTION PROCESSING)	45	45	47	47	47
050	COMMERCIAL ART OCCUPATIONS	53	53	53	53	53
051	CRAFTSMEN PLASTICS & LEATHER	27	27	27	27	27
052	AGRI. MECHANICS & RELATED TECH.	51	51	51	51	51
053	FARM WORKERS LABORERS FOREMEN	8	8	8	9	10
054	OTHER CONSTRUCTION & MAINT TRADES	1	1	1	1	1

OCCUPATIONAL DEMAND FOR 1977

CODE	OCCUPATIONAL CATEGORIES	1977
054	OTHER CONSTRUCTION & MAINT TRADES	1
003	OTHER CLER. INCL INFO & PERSONNEL	2
004	SUPERVISORY & MANAGEMENT OCCUP.	3
005	SALESWORKERS	4
006	STENOS, SECRETARIES AND TYPISTS	5
022	FOREMEN / WAREHOUSEMEN	6
002	HEALTH OCC. EXC. PRACTITIONERS	7
053	FARM WORKERS, LABORERS, FOREMEN	8
042	TRUCK, BUS, AND TAXI DRIVERS	9
045	FOOD OCCUPATIONS	10
034	TEXTILE PRODUCTION & FABRICATION	11
044	CUSTODIAL SERVICES	12
001	REL. TECH. HLTH. H. EC. OFF. MIS	13
009	CARPENTERS AND WOODWORKERS	14
046	PERSONAL SERVICE WORKERS	15
[illegible]	[illegible]	16
024	HEAVY EQUIP. MECH. INCL. DIESEL	17
021	WELDERS AND FLAMECUTTERS	18
001	ENGINEERING RELATED	19
025	AUTO MECHANICS	20
048	PRIVATE HOUSEHOLD WORKERS	21
032	MATERIALS SUPPORT OCCUPATIONS	22
047	PUBLIC SERVICE OCCUPATIONS	23
012	ELECTRICAL OCCUPATIONS	24
011	HEAVY EQUIPMENT OPERATORS	25
043	DELIVERY AND ROUTEMEN	26
051	CRAFTSMEN, PLASTICS & LEATHER	27
007	OFFICE OCCUP. & MACHINE OPERATORS	28
015	PLUMBERS AND PIPEFITTERS	29
010	MASONERS	30
013	PAINTERS	31
038	OTHER GRAPHIC ARTS OCCUPATIONS	32
039	TELEPHONE INSTALLERS AND SPLICERS	33
033	RADIO AND TELEVISION REPAIRMEN	34
028	INSTRUMENT MAINT. & OTHER REPAIR	35
030	AVIATION OCCUPATIONS	36
023	AIR CONDITIONING, REFRIGERATION	37
035	BOOKBINDERS	38
036	COMPOSITORS AND TYPESETTERS	39
040	ELECTRICAL LINEMEN	40
026	AUTO BODY REPAIR	41
016	ROOFERS AND SLATERS	42
041	STATIONARY ENERGY SOURCES OCCUP.	43
031	BUSINESS MACHINE MAINTENANCE	44
049	FORESTRY (PRODUCTION, PROCESSING)	45
029	APPLIANCE REPAIRMEN	46
019	FURNACEMEN, SMELTERS, POURERS	47
037	LITHOGRAPHERS AND PHOTOENGRAVERS	48
020	METAL PLATERS	49
018	DRILL PRESS OPERATORS	50
052	AGRI. MECHANICS & RELATED TECH.	51
014	PLASTERERS	52
050	COMMERCIAL ART OCCUPATIONS	53
027	OTHER AUTOMOTIVE SERVICES	54

. . . . . REGIONAL INFORMATION SYSTEM

. . . . . 1970-1980. . . . TENNESSEE

FIRST TENNESSEE-VIRGINIA DEVELOPMENT DISTRICT

CODE	OCCUPATIONAL CATEGORIES	ESTIMATED AVERAGE ENTRY-LEVEL WAGE PER MONTH*						
		1970	1975	1976	1977	1978	1979	1980
001	ENGINEERING RELATED	434.	499.	524.	550.	577.	606.	636.
002	HEALTH OCC. EXC. PRACTITIONERS	407.	468.	491.	516.	541.	568.	597.
003	REL. TECH HLTH H. EC. OFF MIS	400.	460.	483.	507.	532.	559.	587.
004	SUPERVISORY & MANAGEMENT OCCUP.	625.	718.	754.	792.	832.	873.	917.
005	SALESWORKERS	256.	294.	309.	324.	340.	357.	375.
006	STENOS. SECRETARIES AND TYPISTS	461.	530.	556.	584.	613.	644.	676.
007	OFFICE OCCUP. & MACHINE OPERATORS	408.	469.	492.	517.	543.	570.	598.
008	OTHER CLER. INCL INFO & PERSONNEL	280.	322.	338.	355.	372.	391.	410.
009	CARPENTERS AND WOODWORKERS	712.	818.	859.	902.	947.	995.	1045.
010	MASONERS	963.	1107.	1162.	1220.	1282.	1346.	1413.
011	HEAVY EQUIPMENT OPERATORS	752.	864.	908.	953.	1001.	1051.	1103.
012	ELECTRICAL-OCCUPATIONS	576.	662.	695.	730.	766.	805.	845.
013	PAINTERS	584.	671.	705.	740.	777.	816.	857.
014	PLASTERERS	680.	782.	821.	862.	905.	950.	998.
015	PLUMBERS AND PIPEFITTERS	800.	920.	966.	1014.	1065.	1118.	1174.
016	ROOFERS AND SLATERS	480.	552.	579.	608.	639.	670.	704.
017	OTHER METAL WORKERS	684.	786.	825.	867.	910.	956.	1003.
018	DRILL PRESS OPERATORS	688.	791.	830.	872.	915.	961.	1009.
019	FURNACEMEN SMELTERS POURERS	604.	694.	729.	765.	804.	844.	886.
020	METAL PLATERS	538.	618.	649.	682.	716.	752.	789.
021	WELDERS AND FLAMECUTTERS	526.	604.	635.	666.	700.	735.	772.
022	FOREMEN / WAREHOUSEMEN	791.	909.	955.	1002.	1053.	1105.	1160.
023	AIR CONDITIONING REFRIGERATION	520.	598.	627.	659.	692.	726.	763.
024	HEAVY EQUIP. MECH. INCL. DIESEL	624.	717.	753.	791.	830.	872.	915.
025	AUTO MECHANICS	825.	948.	996.	1045.	1098.	1153.	1210.

026 AUTO BODY REPAIR	613.	704.	740.	777.	816.	856.	899.
027 OTHER AUTOMOTIVE SERVICES	397.	456.	479.	503.	528.	554.	582.
028 INSTRUMENT MAINT. & OTHER REPAIR	469.	539.	566.	594.	624.	655.	688.
029 APPLIANCE REPAIRMEN	480.	552.	579.	608.	639.	670.	704.
030 AVIATION OCCUPATIONS	800.	920.	966.	1014.	1065.	1118.	1174.
031 BUSINESS MACHINE MAINTENANCE	440.	506.	531.	557.	585.	615.	645.
032 MATERIALS SUPPORT OCCUPATIONS	676.	777.	816.	857.	899.	944.	992.
033 RADIO AND TELEVISION REPAIRMEN	560.	644.	676.	710.	745.	782.	821.
034 TEXTILE PRODUCTION & FABRICATION	537.	617.	648.	680.	714.	750.	788.
035 BOOKBINDERS	430.	494.	519.	545.	572.	601.	631.
036 COMPOSITORS AND TYPESETTERS	800.	920.	966.	1014.	1065.	1118.	1174.
037 LITHOGRAPHERS AND PHOTOENGRAVERS	593.	681.	716.	751.	789.	828.	870.
038 OTHER GRAPHIC ARTS OCCUPATIONS	632.	726.	763.	801.	841.	883.	927.
039 TELEPHONE INSTALLERS AND SPLICERS	579.	665.	699.	734.	770.	809.	849.
040 ELECTRICAL LINEMEN	401.	461.	484.	508.	533.	560.	588.
041 STATIONARY ENERGY SOURCES OCCUP.	705.	810.	851.	893.	938.	985.	1034.
042 TRUCK BUS AND TAXI DRIVERS	400.	460.	483.	507.	532.	559.	587.
043 DELIVERY AND ROUTEMEN	342.	393.	412.	433.	455.	478.	501.
044 CUSTODIAL SERVICES	296.	340.	357.	375.	394.	413.	434.
045 FOOD OCCUPATIONS	320.	368.	386.	405.	426.	447.	469.
046 PERSONAL SERVICE WORKERS	260.	299.	313.	329.	346.	363.	381.
047 PUBLIC SERVICE OCCUPATIONS	360.	414.	434.	456.	479.	503.	528.
048 PRIVATE HOUSEHOLD WORKERS	320.	368.	386.	405.	426.	447.	469.
049 FORESTRY (PRODUCTION PROCESSING)	375.	431.	452.	475.	499.	524.	550.
050 COMMERCIAL ART OCCUPATIONS	280.	322.	338.	355.	372.	391.	410.
051 CRAFTSMEN PLASTICS & LEATHER	612.	703.	738.	775.	814.	855.	898.
052 AGRI. MECHANICS & RELATED TECH	368.	423.	444.	466.	489.	514.	540.
053 FARM WORKERS LABORERS FOREMEN	320.	368.	386.	405.	426.	447.	469.
054 CONSTRUCTION & MAINT TRADES	432.	496.	521.	547.	575.	603.	634.

FROM 'OCCUPATIONAL OUTLOOK HANDBOOK', U.S. DEPT OF LABOR, BUREAU OF LABOR STATISTICS, 1972-1973

1970-1980 VIRGINIA

LENOWISCO PLANNING DISTRICT COMMISSION

CODE	OCCUPATIONAL CATEGORIES	TOTAL ESTIMATED EMPLOYMENT 1970	1975	1976 SEP*	1976 CHNG**	1976 SEP + CHNG***	1976 NEW**** FORCE	1977 SEP*	1977 CHNG**	1977 SEP + CHNG***	1977 NEW**** FORCE
001	ENGINEERING RELATED	95	113	2	4	6	117	2	4	6	121
002	HEALTH OCC EXC PRACTITIONERS	571	641	41	14	55	655	42	14	56	669
003	REL TECH HLTH H EC OFF MISC	213	253	6	8	14	261	6	8	14	269
004	SUPERVISORY & MANAGEMENT OCC	611	831	22	44	66	875	24	44	68	919
005	SALESWORKERS	1415	1345	38	-14	24	1331	37	-14	23	1317
006	STENOS SECRETARIES AND TYPISTS	537	667	48	26	74	693	50	26	76	719
007	OFFICE OCCUP & MACHINE OPERATORS	95	150	7	11	18	161	8	11	19	172
008	OTHER CLER INCL INFO & PERSONNE	1649	1789	101	28	129	1817	102	28	130	1845
009	CARPENTERS AND WOODWORKERS	750	805	18	11	29	816	18	11	29	827
010	MASONERS	149	179	2	6	8	185	2	6	8	191
011	HEAVY EQUIPMENT OPERATORS	196	201	3	1	4	202	3	1	4	203
012	ELECTRICAL OCCUPATIONS	219	269	4	10	14	279	4	10	14	289
013	PAINTERS	181	191	6	2	8	193	6	2	8	195
014	PLASTERERS	16	11	0	-1	-1	10	0	-1	-1	9
015	PLUMBERS AND PIPEFITTERS	180	210	3	6	9	216	3	6	9	222
016	ROOFERS	25	30	0	1	1	31	0	1	1	32
017	OTHER METAL WORKERS	199	189	3	-2	1	187	3	-2	1	185
018	DRILL PRESS OPERATORS	2	2	0	0	0	2	0	0	0	2
019	FURNACEMEN SMELTERS POURERS	3	3	0	0	0	3	0	0	0	3
020	METAL PLATERS	2	2	0	0	0	2	0	0	0	2
021	WELDERS AND FLAMECUTTERS	55	60	0	1	1	61	0	1	1	62
022	FORMEN / WAREHOUSEMEN	615	685	13	14	27	699	13	14	27	713
023	AIR CONDITIONING REFRIGERATION	68	108	1	8	9	116	2	8	10	124
024	HEAVY EQUIP MECH INCL DIESEL	264	334	5	14	19	348	5	14	19	362
025	AUTO MECHANICS	389	464	7	15	22	479	7	15	22	494

026	AUTO BODY REPAIR	46	51	0	1	1	52	0	1	1	53
027	OTHER AUTOMOTIVE SERVICES	2	2	0	0	0	2	0	0	0	2
028	INSTRUMENT MAINT & OTHER REPAIR	122	97	1	-5	-4	92	1	-5	-4	87
029	APPLIANCE REPAIRMEN	48	58	0	2	2	60	0	2	2	62
030	AVIATION OCCUPATIONS	46	41	1	-1	0	40	1	-1	0	39
031	BUSINESS MACHINE MAINTENANCE	36	41	0	1	1	42	0	1	1	43
032	MATERIALS SUPPORT OCCUPATIONS	277	242	6	-7	-1	235	6	-7	-1	228
033	RADIO AND TELEVISION REPAIRMEN	65	80	1	3	4	83	1	3	4	86
034	TEXTILE PRODUCTION & FABRICATION	590	595	9	1	10	596	9	1	10	597
035	BOOKBINDERS	7	7	0	0	0	7	0	0	0	7
036	COMPOSITORS AND TYPESETTERS	47	47	1	0	1	47	1	0	1	47
037	LITHOGRAPHERS AND PHOTOENGRAVERS	10	10	0	0	0	10	0	0	0	10
038	OTHER GRAPHIC ARTS OCCUPATIONS	46	71	1	5	6	76	1	5	6	81
039	TELEPHONE INSTALLERS AND SPLICERS	102	117	0	3	3	120	0	3	3	123
040	ELECTRICAL LINEMEN	46	61	0	3	3	64	0	3	3	67
041	STATIONARY ENERGY SOURCES OCC	55	45	1	-2	-1	43	1	-2	-1	41
042	TRUCK BUS AND TAXI DRIVERS	1088	1073	26	-3	23	1070	26	-3	23	1067
043	DELIVERY AND ROUTEMEN	318	378	5	12	17	390	5	12	17	402
044	CUSTODIAL SERVICES	739	804	36	13	49	817	37	13	50	830
045	FOOD OCCUPATIONS	852	937	25	17	42	954	25	17	42	971
046	PERSONAL SERVICE WORKERS	374	424	23	10	33	434	23	10	33	444
047	PUBLIC SERVICE OCCUPATIONS	192	202	5	2	7	204	5	2	7	206
048	PRIVATE HOUSEHOLD WORKERS	261	236	17	-5	12	231	17	-5	12	226
049	FORESTRY (PRODUCTION PROCESSING)	94	74	1	-4	-3	70	1	-4	-3	66
050	COMMERCIAL ART OCCUPATIONS	7	7	0	0	0	7	0	0	0	7
051	CRAFTSMEN PLASTICS & LEATHER	243	263	6	4	10	267	6	4	10	271
052	AGRI MECHANICS & RELATED TECH	14	14	0	0	0	14	0	0	0	14
053	FARM WORKERS LABORERS FOREMEN	1454	1239	56	-43	13	1196	54	-43	11	1153
054	OTHER CONSTRUCTION & MAINT TRADES	5403	5383	101	-4	97	5379	101	-4	97	5375
	TOTALS	21081	22131	0	0	0	22341	0	0	0	22551

TOTAL ESTIMATED EMPLOYMENT

CODE	OCCUPATIONAL CATEGORIES	1978 SEP.*	1978 CHNG**	1978 SEP.+CHNG***	1978 NEW**** FORCE	1979 SEP.*	1979 CHNG**	1979 SEP.+CHNG***	1979 NEW**** FORCE	1980 SEP.*	1980 CHNG**	1980 SEP.+CHNG***	1980 NEW**** FORCE
001	ENGINEERING RELATED	2	4	6	125	2	4	6	129	2	4	6	133
002	HEALTH OCC EXC PRACTITIONERS	42	14	56	683	43	14	57	697	44	14	58	711
003	REL TECH HLTH H EC OFF MISC	6	8	14	277	6	8	14	285	6	8	14	293
004	SUPERVISORY & MANAGEMENT OCC	25	44	69	963	26	44	70	1007	27	44	71	1051
005	SALESWORKERS	37	-14	23	1303	36	-14	22	1289	36	-14	22	1275
006	STENOS SECRETARIES AND TYPISTS	52	26	78	745	54	26	80	771	55	26	81	797
007	OFFICE OCCUP & MACHINE OPERATORS	8	11	19	183	9	11	20	194	9	11	20	205
008	OTHER CLER INCL INFO & PERSONNE	104	28	132	1873	105	28	133	1901	107	28	135	1929
009	CARPENTERS AND WOODWORKERS	18	11	29	838	19	11	30	849	19	11	30	860
010	MASONERS	2	6	8	197	3	6	9	203	3	6	9	209
011	HEAVY EQUIPMENT OPERATORS	3	1	4	204	3	1	4	205	3	1	4	206
012	ELECTRICAL OCCUPATIONS	4	10	14	299	5	10	15	309	5	10	15	319
013	PAINTERS	6	2	8	197	6	2	8	199	6	2	8	201
014	PLASTERERS	0	-1	-1	8	0	-1	-1	7	0	-1	-1	6
015	PLUMBERS AND PIPEFITTERS	4	6	10	228	4	6	10	234	4	6	10	240
016	ROOFERS	0	1	1	33	0	1	1	34	0	1	1	35
017	OTHER METAL WORKERS	3	-2	1	183	3	-2	1	181	3	-2	1	179
018	DRILL PRESS OPERATORS	0	0	0	2	0	0	0	2	0	0	0	2
019	FURNACEMEN SMELTERS POURERS	0	0	0	3	0	0	0	3	0	0	0	3
020	METAL PLATERS	0	0	0	2	0	0	0	2	0	0	0	2
021	WELDERS AND FLAMECUTTERS	0	1	1	63	0	1	1	64	0	1	1	65
022	FORMEN / WAREHOUSEMEN	13	14	27	727	13	14	27	741	14	14	28	755
023	AIR CONDITIONING REFRIGERATION	2	8	10	132	2	8	10	140	2	8	10	148
024	HEAVY EQUIP MECH INCL. DIESEL	5	14	19	376	6	14	20	390	6	14	20	404
025	AUTO MECHANICS	7	15	22	509	8	15	23	524	8	15	23	539
026	AUTO BODY REPAIR	0	1	1	54	0	1	1	55	0	1	1	56

027	OTHER AUTOMOTIVE SERVICES	0	0	0	2	0	0	0	2	0	0	0	2
028	INSTRUMENT MAINT & OTHER REPAIR	0	-5	-5	82	0	-5	-5	77	0	-5	-5	72
029	APPLIANCE REPAIRMEN	0	2	2	64	0	2	2	66	0	2	2	68
030	AVIATION OCCUPATIONS	1	-1	0	38	1	-1	0	37	1	-1	0	36
031	BUSINESS MACHINE MAINTENANCE	0	1	1	44	0	1	1	45	0	1	1	46
032	MATERIALS SUPPORT OCCUPATIONS	6	-7	-1	221	5	-7	-2	214	5	-7	-2	207
033	RADIO AND TELEVISION REPAIRMEN	1	3	4	89	1	3	4	92	1	3	4	95
034	TEXTILE PRODUCTION & FABRICATION	9	1	10	598	9	1	10	599	9	1	10	600
035	BOOKBINDERS	0	0	0	7	0	0	0	7	0	0	0	7
036	COMPOSITORS AND TYPESETTERS	1	0	1	47	1	0	1	47	1	0	1	47
037	LITHOGRAPHERS AND PHOTOENGRAVERS	0	0	0	10	0	0	0	10	0	0	0	10
038	OTHER GRAPHIC ARTS OCCUPATIONS	1	5	6	86	1	5	6	91	1	5	6	96
039	TELEPHONE INSTALLERS AND SPLICERS	0	3	3	126	0	3	3	129	0	3	3	132
040	ELECTRICAL LINEMEN	0	3	3	70	0	3	3	73	0	3	3	76
041	STATIONARY ENERGY SOURCES OCC.	0	-2	-2	39	0	-2	-2	37	0	-2	-2	35
042	TRUCK BUS AND TAXI DRIVERS	26	-3	23	1084	26	-3	23	1061	26	-3	23	1058
043	DELIVERY AND ROUTEMEN	5	12	17	414	5	12	17	426	6	12	18	438
044	CUSTODIAL SERVICES	38	13	51	843	38	13	51	856	39	13	52	868
045	FOOD OCCUPATIONS	26	17	43	988	26	17	43	1005	27	17	44	1022
046	PERSONAL SERVICE WORKERS	24	10	34	454	24	10	34	464	25	10	35	474
047	PUBLIC SERVICE OCCUPATIONS	5	2	7	208	5	2	7	210	5	2	7	212
048	PRIVATE HOUSEHOLD WORKERS	16	-5	11	221	16	-5	11	216	16	-5	11	211
049	FORESTRY (PRODUCTION PROCESSING)	1	-4	-3	62	1	-4	-3	58	1	-4	-3	54
050	COMMERCIAL ART OCCUPATIONS	0	0	0	7	0	0	0	7	0	0	0	7
051	CRAFTSMEN PLASTICS & LEATHER	6	4	10	275	6	4	10	279	6	4	10	283
052	AGRI. MECHANICS & RELATED TECH.	0	0	0	14	0	0	0	14	0	0	0	14
053	FARM WORKERS, LABORERS, FOREMEN	52	-43	9	1110	50	-43	7	1067	48	-43	5	1024
054	OTHER CONSTRUCTION & MAINT TRADES	101	-4	97	5371	101	-4	97	5367	101	-4	97	5363
TOTALS		0	0	0	45522	0	0	0	45942	0	0	0	46362

* SEP RATES DERIVED FROM 'TOMORROWS MANPOWER NEEDS', SUPP. 4, U.S. DEPT. OF LABOR, 1974
** CHANGE FIGURES DERIVED FROM RESEARCH CONDUCTED BY TVA-CBER, MARCH, 1975

1970-1988 . . . . . VIRGINIA

LENOWISCO PLANNING DISTRICT COMMISSION

CODE	OCCUPATIONAL CATEGORIES	PERCENTAGE OF OCCUPATIONAL DEMAND				
		1976	1977	1978	1979	1980
001	ENGINEERING RELATED	0.52	0.53	0.54	0.56	0.57
002	HEALTH OCC. EXC. PRACTITIONERS	2.93	2.96	3.00	3.03	3.06
003	REL TECH HLTH H. EC. OFF MISC	1.16	1.19	1.21	1.24	1.26
004	SUPERVISORY & MANAGEMENT OCC	3.91	4.07	4.23	4.38	4.53
005	SALESWORKERS	5.95	5.84	5.72	5.61	5.50
006	STENOS SECRETARIES AND TYPISTS	3.10	3.18	3.27	3.35	3.43
007	OFFICE OCCUP. & MACHINE OPERATORS	0.72	0.76	0.80	0.84	0.88
008	OTHER CLER. INCL INFO & PERSONNE	8.13	8.18	8.22	8.27	8.32
009	CARPENTERS AND WOODWORKERS	3.65	3.66	3.68	3.69	3.70
010	MASONERS	0.82	0.84	0.86	0.88	0.90
011	HEAVY EQUIPMENT OPERATORS	0.90	0.90	0.89	0.89	0.88
012	ELECTRICAL OCCUPATIONS	1.24	1.28	1.31	1.34	1.37
013	PAINTERS	0.86	0.86	0.86	0.86	0.86
014	PLASTERERS	0.04	0.03	0.03	0.03	0.02
015	PLUMBERS AND PIPEFITTERS	0.96	0.98	1.00	1.01	1.03
016	ROOFERS	0.13	0.14	0.14	0.14	0.15
017	OTHER METAL WORKERS	0.83	0.82	0.80	0.78	0.77
018	DRILL PRESS OPERATORS	0.00	0.00	0.00	0.00	0.00
019	FURNACEMEN SMELTERS POURERS	0.01	0.01	0.01	0.01	0.01
020	METAL PLATERS	0.00	0.00	0.00	0.00	0.00
021	WELDERS AND FLAMECUTTERS	0.27	0.27	0.27	0.27	0.28
022	FORMEN & WAREHOUSEMEN	3.12	3.16	3.19	3.22	3.25
023	AIR CONDITIONING REFRIGERATION	0.51	0.54	0.57	0.60	0.63
024	HEAVY EQUIP. MECH. INCL. DIESEL	1.55	1.60	1.65	1.69	1.74
025	AUTO MECHANICS	2.14	2.19	2.23	2.28	2.32
026	AUTO BODY REPAIR	0.23	0.23	0.23	0.23	0.24

027	OTHER AUTOMOTIVE SERVICES	0.00	0.00	0.00	0.00	0.00
028	INSTRUMENT MAINT. & OTHER REPAIR	0.41	0.38	0.36	0.33	0.31
029	APPLIANCE REPAIRMEN	0.26	0.27	0.28	0.28	0.29
030	AVIATION OCCUPATIONS	0.17	0.17	0.16	0.16	0.15
031	BUSINESS MACHINE MAINTENANCE	0.18	0.19	0.19	0.19	0.19
032	MATERIALS SUPPORT OCCUPATIONS	1.05	1.01	0.97	0.93	0.89
033	RADIO AND TELEVISION REPAIRMEN	0.37	0.38	0.39	0.40	0.40
034	TEXTILE PRODUCTION & FABRICATION	2.66	2.64	2.62	2.60	2.58
035	BOOKBINDERS	0.03	0.03	0.03	0.03	0.03
036	COMPOSITORS AND TYPESETTERS	0.21	0.20	0.20	0.20	0.20
037	LITHOGRAPHERS AND PHOTOENGRAVERS	0.04	0.04	0.04	0.04	0.04
038	OTHER GRAPHIC ARTS OCCUPATIONS	0.34	0.35	0.37	0.39	0.41
039	TELEPHONE INSTALLERS AND SPLICERS	0.53	0.54	0.55	0.56	0.56
040	ELECTRICAL LINEMEN	0.28	0.29	0.30	0.31	0.32
041	STATIONARY ENERGY SOURCES OCC.	0.19	0.18	0.17	0.16	0.15
042	TRUCK BUS AND TAXI DRIVERS	4.78	4.73	4.67	4.61	4.56
043	DELIVERY AND ROUTEMEN	1.74	1.78	1.81	1.85	1.88
044	CUSTODIAL SERVICES	3.65	3.68	3.70	3.72	3.74
045	FOOD OCCUPATIONS	4.27	4.30	4.34	4.37	4.40
046	PERSONAL SERVICE WORKERS	1.94	1.96	1.99	2.01	2.04
047	PUBLIC SERVICE OCCUPATIONS	0.91	0.91	0.91	0.91	0.91
048	PRIVATE HOUSEHOLD WORKERS	1.03	1.00	0.97	0.94	0.91
049	FORESTRY (PRODUCTION PROCESSING)	0.31	0.29	0.27	0.25	0.23
050	COMMERCIAL ART OCCUPATIONS	0.03	0.03	0.03	0.03	0.03
051	CRAFTSMEN PLASTICS & LEATHER	1.19	1.20	1.20	1.21	1.22
052	AGRI. MECHANICS & RELATED TECH.	0.06	0.06	0.06	0.06	0.06
053	FARM WORKERS LABORERS FOREMEN	5.33	5.11	4.87	4.64	4.41
054	OTHER CONSTRUCTION & MAINT TRADES	24.07	23.83	23.59	23.36	23.13

OCCUPATIONAL DEMAND BY RANK IN IMPORTANCE 1976-1980

CODE	OCCUPATIONAL CATEGORIES	1976	1977	1978	1979	1980
001	ENGINEERING RELATED	31	32	32	32	31
002	HEALTH OCC EXC PRACTITIONERS	12	12	12	12	12
003	REL TECH HLTH H EL OFF MISC	20	20	14	14	19
004	SUPERVISORY & MANAGEMENT OCC	7	7	7	6	5
005	SALESWORKERS	3	3	3	3	3
006	STENOS SECRETARIES AND TYPISTS	11	10	10	10	10
007	OFFICE OCCUP & MACHINE OPERATORS	29	29	28	28	27
008	OTHER CLER INCL INFO & PERSONNE	2	2	2	2	2
009	CARPENTERS AND WOODWORKERS	9	9	9	9	9
010	MASONERS	28	27	27	26	24
011	HEAVY EQUIPMENT OPERATORS	25	25	25	25	26
012	ELECTRICAL OCCUPATIONS	18	18	18	18	18
013	PAINTERS	26	26	26	27	28
014	PLASTERERS	48	48	48	50	50
015	PLUMBERS AND PIPEFITTERS	23	23	21	21	21
016	ROOFERS	45	45	45	45	45
017	OTHER METAL WORKERS	27	28	28	29	29
018	DRILL PRESS OPERATORS	54	54	54	54	54
019	FURNACEMEN SMELTERS POURERS	51	51	51	51	51
020	METAL PLATERS	53	53	53	53	52
021	WELDERS AND FLAMECUTTERS	38	39	38	38	38
022	FORMEN / WAREHOUSEMEN	10	11	11	11	11
023	AIR CONDITIONING REFRIGERATION	32	30	30	30	30
024	HEAVY EQUIP MECH INCL DIESEL	17	17	17	17	17
025	AUTO MECHANICS	14	14	14	14	14
026	AUTO BODY REPAIR	40	40	40	40	39
027	OTHER AUTOMOTIVE SERVICES	52	52	52	52	52
028	INSTRUMENT MAINT & OTHER REPAIR	33	33	35	35	36
029	APPLIANCE REPAIRMEN	39	38	37	37	37
030	AVIATION OCCUPATIONS	44	44	44	44	43
031	BUSINESS MACHINE MAINTENANCE	43	42	42	42	42
032	MATERIALS SUPPORT OCCUPATIONS	21	21	23	23	25
033	RADIO AND TELEVISION REPAIRMEN	34	34	33	33	34
034	TEXTILE PRODUCTION & FABRICATION	13	13	13	13	13
035	BOOKBINDERS	50	50	50	49	49
036	COMPOSITORS AND TYPESETTERS	41	41	41	41	41
037	LITHOGRAPHERS AND PHOTOENGRAVERS	47	47	47	47	47
038	OTHER GRAPHIC ARTS OCCUPATIONS	35	35	34	34	33
039	TELEPHONE INSTALLERS AND SPLICERS	30	31	31	31	32
040	ELECTRICAL LINEMEN	37	36	36	36	35
041	STATIONARY ENERGY SOURCES OCC.	42	43	43	43	44
042	TRUCK BUS AND TAXI DRIVERS	5	5	5	5	4
043	DELIVERY AND ROUTEMEN	16	16	16	16	16
044	CUSTODIAL SERVICES	8	8	8	8	8
045	FOOD OCCUPATIONS	6	6	6	7	7
046	PERSONAL SERVICE WORKERS	15	15	15	15	15
047	PUBLIC SERVICE OCCUPATIONS	24	24	24	24	22
048	PRIVATE HOUSEHOLD WORKERS	22	22	22	22	23
049	FORESTRY (PRODUCTION PROCESSING)	36	37	39	39	40
050	COMMERCIAL ART OCCUPATIONS	49	49	49	48	48
051	CRAFTSMEN PLASTICS & LEATHER	19	19	20	20	20
052	AGRI. MECHANICS & RELATED TECH	46	46	46	46	46
053	FARM WORKERS LABORERS FOREMEN	4	4	4	4	6
054	OTHER CONSTRUCTION & MAINT TRADES	1	1	1	1	1

OCCUPATIONAL DEMAND FOR 1977

CODE	OCCUPATIONAL CATEGORIES	1977
054	OTHER CONSTRUCTION & MAINT TRADES	1
008	OTHER CLER. INCL INFO & PERSONNE	2
005	SALESWORKERS	3
053	FARM WORKERS LABORERS FOREMEN	4
042	TRUCK BUS AND TAXI DRIVERS	5
045	FOOD OCCUPATIONS	6
004	SUPERVISORY & MANAGEMENT OCC	7
044	CUSTODIAL SERVICES	8
009	CARPENTERS AND WOODWORKERS	9
006	STENOS SECRETARIES AND TYPISTS	10
022	FORMEN / WAREHOUSEMEN	11
002	HEALTH OCC EXC PRACTITIONERS	12
034	TEXTILE PRODUCTION & FABRICATION	13
025	AUTO MECHANICS	14
046	PERSONAL SERVICE WORKERS	15
043	DELIVERY AND ROUTEMEN	16
024	HEAVY EQUIP. MECH. INCL. DIESEL	17
012	ELECTRICAL OCCUPATIONS	18
051	CRAFTSMEN PLASTICS & LEATHER	19
003	REL. TECH HLTH H EC. OFF MISC	20
032	MATERIALS SUPPORT OCCUPATIONS	21
048	PRIVATE HOUSEHOLD WORKERS	22
015	PLUMBERS AND PIPEFITTERS	23
047	PUBLIC SERVICE OCCUPATIONS	24
011	HEAVY EQUIPMENT OPERATORS	25
013	PAINTERS	26
010	MASONERS	27
017	OTHER METAL WORKERS	28
007	OFFICE OCCUP. & MACHINE OPERATORS	29
023	AIR CONDITIONING REFRIGERATION	30
039	TELEPHONE INSTALLERS AND SPLICERS	31
001	ENGINEERING RELATED	32
028	INSTRUMENT MAINT. & OTHER REPAIR	33
033	RADIO AND TELEVISION REPAIRMEN	34
038	OTHER GRAPHIC ARTS OCCUPATIONS	35
040	ELECTRICAL LINEMEN	36
049	FORESTRY (PRODUCTION PROCESSING)	37
029	APPLIANCE REPAIRMEN	38
021	WELDERS AND FLAMECUTTERS	39
026	AUTO BODY REPAIR	40
036	COMPOSITORS AND TYPESETTERS	41
031	BUSINESS MACHINE MAINTENANCE	42
041	STATIONARY ENERGY SOURCES OCC.	43
030	AVIATION OCCUPATIONS	44
016	ROOFERS	45
052	AGRI. MECHANICS & RELATED TECH.	46
037	LITHOGRAPHERS AND PHOTOENGRAVERS	47
014	PLASTERERS	48
050	COMMERCIAL ART OCCUPATIONS	49
035	BOOKBINDERS	50
019	FURNACEMEN SMELTERS POURERS	51
027	OTHER AUTOMOTIVE SERVICES	52
020	METAL PLATERS	53
018	DRILL PRESS OPERATORS	54

LENOWISCO PLANNING DISTRICT COMMISSION

CODE	OCCUPATIONAL CATEGORIES	ESTIMATED AVERAGE ENTRY-LEVEL WAGE PER MONTH*						
		1970	1975	1976	1977	1978	1979	1980
001	ENGINEERING RELATED	508.	584.	613.	644.	676.	710.	745.
002	HEALTH OCC. EXC. PRACTITIONERS	476.	548.	575.	604.	634.	666.	699.
003	REL. TECH HLTH H. EC. OFF MIS	468.	538.	565.	593.	623.	654.	687.
004	SUPERVISORY & MANAGEMENT OCCUP.	731.	841.	883.	927.	974.	1023.	1074.
005	SALESWORKERS	299.	344.	361.	380.	399.	419.	439.
006	STENOS, SECRETARIES AND TYPISTS	539.	620.	651.	684.	718.	754.	792.
007	OFFICE OCCUP. & MACHINE OPERATORS	477.	549.	576.	605.	636.	667.	701.
008	OTHER CLER. INCL INFO & PERSONNEL	327.	377.	395.	415.	436.	458.	481.
009	CARPENTERS AND WOODWORKERS	833.	958.	1006.	1057.	1109.	1165.	1223.
010	MASONERS	1127.	1296.	1361.	1429.	1501.	1576.	1655.
011	HEAVY EQUIPMENT OPERATORS	880.	1012.	1063.	1116.	1172.	1230.	1292.
012	ELECTRICAL OCCUPATIONS	674.	775.	814.	855.	897.	942.	989.
013	PAINTERS	683.	786.	825.	867.	910.	955.	1003.
014	PLASTERERS	795.	915.	961.	1009.	1060.	1113.	1168.
015	PLUMBERS AND PIPEFITTERS	936.	1077.	1131.	1187.	1247.	1309.	1.74
016	ROOFERS AND SLATERS	562.	646.	678.	712.	748.	785.	824.
017	OTHER METAL WORKERS	800.	921.	967.	1015.	1066.	1119.	1175.
018	DRILL PRESS OPERATORS	805.	926.	972.	1021.	1072.	1126.	1182.
019	FURNACEMEN SMELTERS POURERS	707.	813.	854.	896.	941.	988.	1038.
020	METAL PLATERS	629.	724.	760.	798.	838.	880.	924.
021	WELDERS AND FLAMECUTTERS	615.	708.	743.	780.	819.	860.	904.
022	FOREMEN / WAREHOUSEMEN	926.	1065.	1118.	1174.	1233.	1294.	1359.
023	AIR CONDITIONING REFRIGERATION	608.	700.	735.	772.	810.	851.	893.
024	HEAVY EQUIP. MECH. INCL. DIESEL	730.	840.	882.	926.	972.	1021.	1072.
025	AUTO MECHANICS	966.	1110.	1166.	1224.	1286.	1350.	1417.
026	AUTO BODY REPAIR	717.	825.	866.	910.	955.	1003.	1053.

027 OTHER AUTOMOTIVE SERVICES	464.	534.	561.	589.	618.	649.	682.
028 INSTRUMENT MAINT. & OTHER REPAIR	549.	631.	663.	696.	731.	767.	806.
029 APPLIANCE REPAIRMEN	562.	646.	678.	712.	748.	785.	824.
030 AVIATION OCCUPATIONS	936.	1077.	1131.	1187.	1247.	1309.	1374.
031 BUSINESS MACHINE MAINTENANCE	515.	592.	622.	653.	685.	720.	756.
032 MATERIALS SUPPORT OCCUPATIONS	791.	910.	955.	1003.	1053.	1106.	1161.
033 RADIO AND TELEVISION REPAIRMEN	655.	754.	791.	831.	872.	916.	962.
034 TEXTILE PRODUCTION & FABRICATION	628.	723.	759.	797.	837.	878.	922.
035 BOOKBINDERS	503.	579.	608.	638.	670.	703.	739.
036 COMPOSITORS AND TYPESETTERS	936.	1077.	1131.	1187.	1247.	1309.	1374.
037 LITHOGRAPHERS AND PHOTOENGRAVERS	694.	798.	838.	880.	924.	970.	1019.
038 OTHER GRAPHIC ARTS OCCUPATIONS	740.	851.	893.	938.	985.	1034.	1086.
039 TELEPHONE INSTALLERS AND SPLICERS	678.	779.	818.	859.	902.	947.	995.
040 ELECTRICAL LINEMEN	469.	540.	567.	595.	625.	656.	689.
041 STATIONARY ENERGY SOURCES OCCUP.	825.	949.	996.	1046.	1099.	1153.	1211.
042 TRUCK BUS AND TAXI DRIVERS	468.	538.	565.	593.	623.	654.	687.
043 DELIVERY AND ROUTEMEN	400.	460.	483.	507.	533.	559.	587.
044 CUSTODIAL SERVICES	346.	398.	418.	439.	461.	484.	508.
045 FOOD OCCUPATIONS	374.	430.	452.	475.	498.	523.	549.
046 PERSONAL SERVICE WORKERS	304.	350.	367.	386.	405.	425.	446.
047 PUBLIC SERVICE OCCUPATIONS	421.	484.	509.	534.	561.	589.	618.
048 PRIVATE HOUSEHOLD WORKERS	374.	430.	452.	475.	498.	523.	549.
049 FORESTRY (PRODUCTION PROCESSING)	439.	504.	530.	556.	584.	613.	644.
050 COMMERCIAL ART OCCUPATIONS	327.	377.	395.	415.	436.	458.	481.
051 CRAFTSMEN PLASTICS & LEATHER	716.	824.	865.	908.	954.	1001.	1051.
052 AGRI. MECHANICS & RELATED TECH.	430.	495.	520.	546.	573.	602.	632.
053 FARM WORKERS LABORERS FOREMEN	374.	430.	452.	475.	498.	523.	549.
054 CONSTRUCTION & MAINT TRADES	505.	581.	610.	641.	673.	707.	742.

FROM 'OCCUPATIONAL OUTLOOK HANDBOOK', U.S. DEPT OF LABOR, BUREAU OF LABOR STATISTICS, 1972-1973

MOUNTAIN SCENIC PLANNING AND DEVELOPMENT COMMISSION

CODE	OCCUPATIONAL CATEGORIES	1970	1975	TOTAL ESTIMATED EMPLOYMENT 1976 SEP*	1976 CHNG**	1976 SEP + CHNG***	1976 NEW**** FORCE	1977 SEP*	1977 CHNG**	1977 SEP + CHNG***	1977 NEW**** FORCE
001	ENGINEERING RELATED	153	203	2	10	12	212	2	10	12	223
002	HEALTH OCC ERS PRACTITIONERS	881	1066	63	37	100	1103	65	37	102	1140
003	REL TECH HLTH H EC OFF MIS	275	375	6	20	26	395	7	20	27	415
004	SUPERVISORY & MANAGEMENT OCCUP	1751	2366	72	122	195	2489	76	123	199	2612
005	SALESWORKERS	2046	2076	60	6	66	2082	60	6	66	2088
006	STENOS SECRETARIES AND TYPISTS	1564	1839	127	95	222	1934	133	95	228	2029
007	OFFICE OCCUP & MACHINE OPERATORS	189	304	16	23	39	327	17	23	40	350
008	OTHER CLER INCL INFO & PERSONNEL	3681	4541	191	172	363	4713	198	172	370	4885
009	CARPENTERS AND WOODWORKERS	1737	1737	41	0	41	1737	41	0	41	1737
010	MASONERS	330	380	5	10	15	390	5	10	15	400
011	HEAVY EQUIPMENT OPERATORS	348	428	6	16	22	444	6	16	22	460
012	ELECTRICAL OCCUPATIONS	348	498	6	30	36	528	7	30	37	558
013	PAINTERS	318	323	8	1	9	324	8	1	9	325
014	PLASTERERS	17	12	0	-1	-1	11	0	-1	-1	10
015	PLUMBERS AND PIPEFITTERS	274	304	4	6	10	310	5	6	11	316
016	ROOFERS AND SLATERS	45	55	0	2	2	57	0	2	2	59
017	OTHER METAL WORKERS	714	824	15	22	37	846	16	22	38	868
018	DRILL PRESS OPERATORS	43	38	0	-1	-1	37	0	-1	-1	36
019	FURNACEMEN SMELTERS AND POURERS	25	35	0	2	2	37	0	2	2	39
020	METAL PLATERS	19	19	0	0	0	19	0	0	0	19
021	WELDERS AND FLAMECUTTERS	459	634	9	35	44	669	9	35	44	704
022	FOREMEN / WAREHOUSEMEN	1372	1797	23	85	108	1882	24	85	109	1967
023	AIR CONDITIONING REFRIGERATION	79	119	1	8	9	127	1	8	9	135
024	HEAVY EQUIP MECH INCL DIESEL	540	825	14	57	71	882	15	57	72	909
025	AUTO MECHANICS	749	874	13	25	38	899	14	25	39	924

026 AUTO BODY REPAIR	102	122	1	4	5	126	1	4	5	130
027 OTHER AUTOMOTIVE SERVICES	3	3	0	0	0	3	0	0	0	3
028 INSTRUMENT MAINT & OTHER REPAIR	127	102	1	-5	-4	97	1	-5	-4	92
029 APPLIANCE REPAIRMEN	61	71	1	2	3	73	1	2	3	75
030 AVIATION OCCUPATIONS	33	43	1	2	3	45	1	2	3	47
031 BUSINESS MACHINE MAINTENANCE	26	31	0	1	1	32	0	1	1	33
032 MATERIALS SUPPORT OCCUPATIONS	793	808	15	21	36	829	15	21	36	850
033 RADIO AND TELEVISION REPAIRMEN	65	70	0	1	1	71	0	1	1	72
034 TEXTILE PRODUCTION & FABRICATION	3750	3515	68	-47	21	3468	67	-47	20	3421
035 BOOKBINDERS	9	9	0	0	0	9	0	0	0	9
036 COMPOSITORS AND TYPESETTERS	74	74	1	0	1	74	1	0	1	74
037 LITHOGRAPHERS AND PHOTOENGRAVERS	14	14	0	0	0	14	0	0	0	14
038 OTHER GRAPHIC ARTS OCCUPATIONS	57	67	1	2	3	69	1	2	3	71
039 TELEPHONE INSTALLERS AND SPLICERS	149	169	1	4	5	173	1	4	5	177
040 ELECTRICAL LINEMEN	81	121	1	8	9	129	1	8	9	137
041 STATIONARY ENERGY SOURCES OCCUP.	57	47	0	-2	-2	45	0	-2	-2	43
042 TRUCK BUS AND TAXI DRIVERS	1852	1802	42	-10	32	1792	42	-10	32	1782
043 DELIVERY AND ROUTEMEN	386	486	7	20	27	506	7	20	27	526
044 CUSTODIAL SERVICES	985	1075	47	18	65	1093	47	18	65	1111
045 FOOD OCCUPATIONS	1374	1544	76	34	110	1578	78	34	112	1612
046 PERSONAL SERVICE WORKERS	689	814	42	25	67	839	43	25	68	864
047 PUBLIC SERVICE OCCUPATIONS	550	625	19	15	34	640	19	15	34	655
048 PRIVATE HOUSEHOLD WORKERS	621	596	42	-5	37	591	41	-5	36	586
049 FORESTRY (PRODUCTION PROCESSING)	182	157	2	-5	-3	152	2	-5	-3	147
050 COMMERCIAL ART OCCUPATIONS	11	11	0	0	0	11	0	0	0	11
051 CRAFTSMEN PLASTICS & LEATHER	552	642	11	18	29	660	11	18	29	678
052 AGRI. MECHANICS & RELATED TECH	19	19	0	0	0	19	0	0	0	19
053 FARM WORKERS LABORERS FOREMEN	3602	3317	123	-57	66	3260	121	-57	64	3203
054 OTHER CONSTRUCTION & MAINT TRADES	9689	10669	222	196	418	10865	226	196	422	11061

TOTAL ESTIMATED EMPLOYMENT

CODE	OCCUPATIONAL CATEGORIES	1978 SEP*	1978 CHNG**	1978 SEP + CHNG***	1978 NEW**** FORCE	1979 SEP*	1979 CHNG**	1979 SEP + CHNG***	1979 NEW**** FORCE	1980 SEP*	1980 CHNG**	1980 SEP + CHNG***	1980 NEW**** FORCE
001	ENGINEERING RELATED	3	10	13	233	3	10	13	243	3	10	13	253
002	HEALTH OCC EXC PRACTITIONERS	67	37	104	1177	70	37	107	1214	72	37	109	1251
003	REL TECH HLTH H EC OFF MIS	7	20	27	435	7	20	27	455	8	20	28	475
004	SUPERVISORY & MANAGEMENT OCCUP	80	123	203	2735	83	123	206	2858	87	123	210	2981
005	SALESWORKERS	60	6	66	2094	60	6	66	2100	61	6	67	2106
006	STENOS SECRETARIES AND TYPISTS	139	95	234	2124	146	95	241	2219	152	95	247	2314
007	OFFICE OCCUP & MACHINE OPERATORS	19	23	42	373	20	23	43	396	21	22	44	419
008	OTHER CLER INCL INFO & PERSONNEL	205	172	377	5057	212	172	384	5229	219	172	391	5401
009	CARPENTERS AND WOODWORKERS	41	0	41	1737	41	0	41	1737	41	0	41	1737
010	MASONERS	5	10	15	410	5	10	15	420	6	10	16	430
011	HEAVY EQUIPMENT OPERATORS	6	16	22	476	7	16	23	492	7	16	23	508
012	ELECTRICAL OCCUPATIONS	7	30	37	588	8	30	38	618	8	30	38	648
013	PAINTERS	8	1	9	326	8	1	9	327	8	1	9	328
014	PLASTERERS	0	-1	-1	9	0	-1	-1	8	0	-1	-1	7
015	PLUMBERS AND PIPEFITTERS	5	6	11	322	5	6	11	328	5	6	11	334
016	ROOFERS AND SLATERS	0	2	2	61	0	2	2	63	0	2	2	65
017	OTHER METAL WORKERS	16	22	38	890	17	22	39	912	17	22	39	934
018	DRILL PRESS OPERATORS	0	-1	-1	35	0	-1	-1	34	0	-1	-1	33
019	FURNACEMEN SMELTERS AND POURERS	0	2	2	41	0	2	2	43	0	2	2	45
020	METAL PLATERS	0	0	0	19	0	0	0	19	0	0	0	19
021	WELDERS AND FLAMECUTTERS	10	35	45	729	10	35	45	774	11	35	46	809
022	FOREMEN / WAREHOUSEMEN	25	85	110	2052	26	85	111	2137	27	85	112	2222
023	AIR CONDITIONING REFRIGERATION	1	8	9	143	1	8	9	151	1	8	9	159
024	HEAVY EQUIP. MECH. INCL. DIESEL	16	57	73	996	17	57	74	1053	18	57	75	1110
025	AUTO MECHANICS	14	25	39	949	14	25	39	974	15	25	40	999
026	AUTO BODY REPAIR	1	4	5	134	1	4	5	138	1	4	5	142

027	OTHER AUTOMOTIVE SERVICES	0	0	0	3	0	0	0	3	0	0	0	3
028	INSTRUMENT MAINT & OTHER REPAIR	1	-5	-4	87	1	-5	-4	82	1	-5	-4	77
029	APPLIANCE REPAIRMEN	1	2	3	77	1	2	3	79	1	2	3	81
030	AVIATION OCCUPATIONS	1	2	3	49	1	2	3	51	1	2	3	53
031	BUSINESS MACHINE MAINTENANCE	0	1	1	34	0	1	1	35	0	1	1	36
032	MATERIALS SUPPORT OCCUPATIONS	16	21	37	871	16	21	37	892	17	21	38	913
033	RADIO AND TELEVISION REPAIRMEN	1	1	2	73	1	1	2	74	1	1	2	75
034	TEXTILE PRODUCTION & FABRICATION	66	-47	19	3374	65	-47	18	3327	64	-47	17	3280
035	BOOKBINDERS	0	0	0	9	0	0	0	9	0	0	0	9
036	COMPOSITORS AND TYPESETTERS	1	0	1	74	1	0	1	74	1	0	1	74
037	LITHOGRAPHERS AND PHOTOENGRAVERS	0	0	0	14	0	0	0	14	0	0	0	14
038	OTHER GRAPHIC ARTS OCCUPATIONS	1	2	3	73	1	2	3	75	1	2	3	77
039	TELEPHONE INSTALLERS AND SPLICERS	1	4	5	181	1	4	5	185	1	4	5	189
040	ELECTRICAL LINEMEN	1	8	9	145	1	8	9	153	1	8	9	161
041	STATIONARY ENERGY SOURCES OCCUP	0	-2	-2	41	0	-2	-2	39	0	-2	-2	37
042	TRUCK BUS AND TAXI DRIVERS	42	-10	32	1772	42	-10	32	1762	41	-10	31	1752
043	DELIVERY AND ROUTEMEN	7	20	27	546	8	20	28	566	8	20	28	586
044	CUSTODIAL SERVICES	48	18	66	1129	49	18	67	1147	50	18	68	1165
045	FOOD OCCUPATIONS	79	34	113	1646	81	34	115	1680	83	34	117	1714
046	PERSONAL SERVICE WORKERS	45	25	70	889	46	25	71	914	47	25	72	939
047	PUBLIC SERVICE OCCUPATIONS	20	15	35	670	20	15	35	685	21	15	36	700
048	PRIVATE HOUSEHOLD WORKERS	41	-5	36	581	41	-5	36	576	40	-5	35	571
049	FORESTRY (PRODUCTION PROCESSING)	2	-5	-3	142	2	-5	-3	137	2	-5	-3	132
050	COMMERCIAL ART OCCUPATIONS	0	0	0	11	0	0	0	11	0	0	0	11
051	CRAFTSMEN PLASTICS & LEATHER	11	18	29	696	12	18	30	714	12	18	30	732
052	AGRI. MECHANICS & RELATED TECH.	0	0	0	19	0	0	0	19	0	0	0	19
053	FARM WORKERS LABORERS FOREMEN	119	-57	62	3146	117	-57	60	3089	114	-57	57	3032
054	OTHER CONSTRUCTION & MAINT TRADES	230	196	426	11257	234	196	430	11453	238	196	434	11649
	TOTALS	0	0	0	103528	0	0	0	105574	0	0	0	107620

MOUNTAIN SCENIC PLANNING AND DEVELOPMENT COMMISSION

CODE	OCCUPATIONAL CATEGORIES	PERCENTAGE OF OCCUPATIONAL DEMAND				
		1976	1977	1978	1979	1980
001	ENGINEERING RELATED	0.42	0.43	0.45	0.46	0.47
002	HEALTH OCC EXC PRACTITIONERS	2.21	2.24	2.27	2.29	2.32
003	REL TECH HLTH H EC OFF MIS	0.79	0.81	0.84	0.86	0.88
004	SUPERVISORY & MANAGEMENT OCCUP	5.00	5.14	5.28	5.41	5.53
005	SALESWORKERS	4.18	4.11	4.04	3.97	3.91
006	STENOS SECRETARIES AND TYPISTS	3.88	3.99	4.10	4.20	4.30
007	OFFICE OCCUP & MACHINE OPERATORS	0.65	0.68	0.72	0.75	0.77
008	OTHER CLER INCL INFO & PERSONNEL	9.47	9.62	9.76	9.90	10.03
009	CARPENTERS AND WOODWORKERS	3.49	3.42	3.35	3.29	3.22
010	MASONERS	0.78	0.78	0.79	0.79	0.79
011	HEAVY EQUIPMENT OPERATORS	0.89	0.90	0.91	0.93	0.94
012	ELECTRICAL OCCUPATIONS	1.06	1.09	1.12	1.17	1.20
013	PAINTERS	0.65	0.64	0.62	0.61	0.60
014	PLASTERERS	0.02	0.01	0.01	0.01	0.01
015	PLUMBERS AND PIPEFITTERS	0.62	0.62	0.62	0.62	0.62
016	ROOFERS AND SLATERS	0.11	0.11	0.11	0.11	0.12
017	OTHER METAL WORKERS	1.70	1.71	1.71	1.72	1.73
018	DRILL PRESS OPERATORS	0.07	0.07	0.06	0.06	0.06
019	FURNACEMEN SMELTERS AND POURERS	0.07	0.07	0.07	0.08	0.08
020	METAL PLATERS	0.03	0.03	0.02	0.03	0.03
021	WELDERS AND FLAMECUTTERS	1.34	1.38	1.42	1.46	1.50
022	FOREMEN / WAREHOUSEMEN	3.78	3.87	3.96	4.04	4.12
023	AIR CONDITIONING REFRIGERATION	0.25	0.26	0.27	0.28	0.29
024	HEAVY EQUIP MECH INCL DIESEL	1.77	1.85	1.92	1.99	2.06
025	AUTO MECHANICS	1.80	1.82	1.83	1.84	1.85
026	AUTO BODY REPAIR	0.25	0.25	0.25	0.25	0.26

027	OTHER AUTOMOTIVE SERVICES	0.00	0.00	0.00	0.00	0.00
028	INSTRUMENT MAINT. & OTHER REPAIR	0.19	0.18	0.16	0.15	0.14
029	APPLIANCE REPAIRMEN	0.14	0.14	0.14	0.14	0.15
030	AVIATION OCCUPATIONS	0.09	0.09	0.09	0.09	0.09
031	BUSINESS MACHINE MAINTENANCE	0.06	0.06	0.06	0.06	0.06
032	MATERIALS SUPPORT OCCUPATIONS	1.66	1.67	1.68	1.68	1.69
033	RADIO AND TELEVISION REPAIRMEN	0.14	0.14	0.14	0.14	0.13
034	TEXTILE PRODUCTION & FABRICATION	6.97	6.74	6.51	6.30	6.09
035	BOOKBINDERS	0.01	0.01	0.01	0.01	0.01
036	COMPOSITORS AND TYPESETTERS	0.14	0.14	0.14	0.14	0.13
037	LITHOGRAPHERS AND PHOTOENGRAVERS	0.02	0.02	0.02	0.02	0.02
038	OTHER GRAPHIC ARTS OCCUPATIONS	0.13	0.13	0.14	0.14	0.14
039	TELEPHONE INSTALLERS AND SPLICERS	0.34	0.34	0.34	0.35	0.35
040	ELECTRICAL LINEMEN	0.25	0.26	0.28	0.28	0.29
041	STATIONARY ENERGY SOURCES OCCUP	0.09	0.08	0.07	0.07	0.06
042	TRUCK BUS AND TAXI DRIVERS	3.60	3.51	3.42	3.33	3.25
043	DELIVERY AND ROUTEMEN	1.01	1.03	1.05	1.07	1.08
044	CUSTODIAL SERVICES	2.19	2.18	2.18	2.17	2.16
045	FOOD OCCUPATIONS	3.17	3.17	3.17	3.18	3.18
046	PERSONAL SERVICE WORKERS	1.68	1.70	1.71	1.73	1.74
047	PUBLIC SERVICE OCCUPATIONS	1.28	1.29	1.29	1.29	1.30
048	PRIVATE HOUSEHOLD WORKERS	1.18	1.15	1.12	1.09	1.06
049	FORESTRY (PRODUCTION PROCESSING)	0.30	0.28	0.27	0.25	0.24
050	COMMERCIAL ART OCCUPATIONS	0.02	0.02	0.02	0.02	0.02
051	CRAFTSMEN PLASTICS & LEATHER	1.32	1.33	1.34	1.35	1.36
052	AGRI. MECHANICS & RELATED TECH.	0.03	0.03	0.03	0.03	0.03
053	FARM WORKERS LABORERS FOREMEN	6.55	6.31	6.07	5.85	5.63
054	OTHER CONSTRUCTION & MAINT TRADES	21.85	21.79	21.74	21.69	21.64

OCCUPATIONAL DEMAND BY RANK IN IMPORTANCE 1976-1980

CODE	OCCUPATIONAL CATEGORIES	1976	1977	1978	1979	1980
001	ENGINEERING RELATED	31	31	31	31	31
002	HEALTH OCC EXC PRACTITIONERS	12	12	12	12	12
003	REL TECH HLTH H EC OFF MIS	26	26	26	26	26
004	SUPERVISORY & MANAGEMENT OCCUP	5	5	5	5	5
005	SALESWORKERS	6	6	7	8	8
006	STENOS SECRETARIES AND TYPISTS	7	7	6	6	6
007	OFFICE OCCUP & MACHINE OPERATORS	28	28	28	28	28
008	OTHER CLER INCL INFO & PERSONNEL	2	2	2	2	2
009	CARPENTERS AND WOODWORKERS	10	10	10	10	10
010	MASONERS	27	27	27	27	27
011	HEAVY EQUIPMENT OPERATORS	25	25	25	25	25
012	ELECTRICAL OCCUPATIONS	23	23	22	22	22
013	PAINTERS	29	29	29	30	30
014	PLASTERERS	52	52	52	53	53
015	PLUMBERS AND PIPEFITTERS	30	30	30	29	29
016	ROOFERS AND SLATERS	42	42	42	42	42
017	OTHER METAL WORKERS	16	16	16	17	17
018	DRILL PRESS OPERATORS	46	46	46	47	47
019	FURNACEMEN SMELTERS AND POURERS	45	45	45	44	44
020	METAL PLATERS	49	49	49	49	49
021	WELDERS AND FLAMECUTTERS	19	19	19	19	19
022	FOREMEN / WAREHOUSEMEN	8	8	8	7	7
023	AIR CONDITIONING REFRIGERATION	35	35	34	34	34
024	HEAVY EQUIP MECH INCL DIESEL	15	14	14	14	14
025	AUTO MECHANICS	14	15	15	15	15
026	AUTO BODY REPAIR	36	36	36	35	35
027	OTHER AUTOMOTIVE SERVICES	54	54	54	54	54
028	INSTRUMENT MAINT & OTHER REPAIR	37	37	37	37	39
029	APPLIANCE REPAIRMEN	39	38	38	38	37
030	AVIATION OCCUPATIONS	44	43	43	43	43
031	BUSINESS MACHINE MAINTENANCE	47	47	47	46	46
032	MATERIALS SUPPORT OCCUPATIONS	18	18	18	18	18
033	RADIO AND TELEVISION REPAIRMEN	40	40	41	41	40
034	TEXTILE PRODUCTION & FABRICATION	3	3	3	3	3
035	BOOKBINDERS	53	53	52	52	52
036	COMPOSITORS AND TYPESETTERS	38	39	39	40	41
037	LITHOGRAPHERS AND PHOTOENGRAVERS	50	50	50	50	50
038	OTHER GRAPHIC ARTS OCCUPATIONS	41	41	40	39	38
039	TELEPHONE INSTALLERS AND SPLICERS	32	32	32	32	32
040	ELECTRICAL LINEMEN	34	34	33	33	33
041	STATIONARY ENERGY SOURCES OCCUP.	43	44	44	45	45
042	TRUCK BUS AND TAXI DRIVERS	9	9	9	9	9
043	DELIVERY AND ROUTEMEN	24	24	24	24	23
044	CUSTODIAL SERVICES	13	13	13	13	13
045	FOOD OCCUPATIONS	11	11	11	11	11
046	PERSONAL SERVICE WORKERS	17	17	17	16	16
047	PUBLIC SERVICE OCCUPATIONS	21	21	21	21	21
048	PRIVATE HOUSEHOLD WORKERS	22	22	23	23	24
049	FORESTRY (PRODUCTION PROCESSING)	33	33	35	36	36
050	COMMERCIAL ART OCCUPATIONS	51	51	51	51	51
051	CRAFTSMEN PLASTICS & LEATHER	20	20	20	20	20
052	AGRI. MECHANICS & RELATED TECH.	48	48	48	48	48
053	FARM WORKERS LABORERS FOREMEN	4	4	4	4	4
054	OTHER CONSTRUCTION & MAINT TRADES	1	1	1	1	1

OCCUPATIONAL DEMAND FOR 1977

CODE	OCCUPATIONAL CATEGORIES	1977
054	OTHER CONSTRUCTION & MAINT TRADES	1
006	OTHER CLER. INCL INFO & PERSONNEL	2
034	TEXTILE PRODUCTION & FABRICATION	3
053	FARM WORKERS, LABORERS, FOREMEN	4
004	SUPERVISORY & MANAGEMENT OCCUP.	5
005	SALESWORKERS	6
006	STENOS, SECRETARIES AND TYPISTS	7
022	FOREMEN / WAREHOUSEMEN	8
042	TRUCK, BUS, AND TAXI DRIVERS	9
009	CARPENTERS AND WOODWORKERS	10
045	FOOD OCCUPATIONS	11
002	HEALTH OCC. EXC. PRACTITIONERS	12
044	CUSTODIAL SERVICES	13
024	HEAVY EQUIP. MECH. INCL. DIESEL	14
025	AUTO MECHANICS	15
017	OTHER METAL WORKERS	16
046	PERSONAL SERVICE WORKERS	17
032	MATERIALS SUPPORT OCCUPATIONS	18
021	WELDERS AND FLAMECUTTERS	19
051	CRAFTSMEN, PLASTICS & LEATHER	20
047	PUBLIC SERVICE OCCUPATIONS	21
048	PRIVATE HOUSEHOLD WORKERS	22
012	ELECTRICAL OCCUPATIONS	23
043	DELIVERY AND ROUTEMEN	24
011	HEAVY EQUIPMENT OPERATORS	25
003	REL. TECH. HLTH. H. EC. OFF. MIS	26
010	MASONERS	27
007	OFFICE OCCUP. & MACHINE OPERATORS	28
013	PAINTERS	29
015	PLUMBERS AND PIPEFITTERS	30
001	ENGINEERING, RELATED	31
039	TELEPHONE INSTALLERS AND SPLICERS	32
049	FORESTRY (PRODUCTION, PROCESSING)	33
040	ELECTRICAL LINEMEN	34
023	AIR CONDITIONING, REFRIGERATION	35
026	AUTO BODY REPAIR	36
028	INSTRUMENT MAINT. & OTHER REPAIR	37
029	APPLIANCE REPAIRMEN	38
036	COMPOSITORS AND TYPESETTERS	39
033	RADIO AND TELEVISION REPAIRMEN	40
038	OTHER GRAPHIC ARTS OCCUPATIONS	41
016	ROOFERS AND SLATERS	42
030	AVIATION OCCUPATIONS	43
041	STATIONARY ENERGY SOURCES OCCUP.	44
019	FURNACEMEN, SMELTERS, AND POURERS	45
018	DRILL PRESS OPERATORS	46
031	BUSINESS MACHINE MAINTENANCE	47
052	AGRI. MECHANICS & RELATED TECH.	48
020	METAL PLATERS	49
037	LITHOGRAPHERS, AND PHOTOENGRAVERS	50
050	COMMERCIAL ART OCCUPATIONS	51
014	PLASTERERS	52
035	BOOKBINDERS	53
027	OTHER AUTOMOTIVE SERVICES	54

MOUNTAIN SCENIC PLANNING AND DEVELOPMENT COMMISSION

CODE	OCCUPATIONAL CATEGORIES	ESTIMATED AVERAGE ENTRY-LEVEL WAGE PER MONTH*						
		1970	1975	1976	1977	1978	1979	1980
001	ENGINEERING RELATED	449.	516.	542.	569.	597.	627.	659.
002	HEALTH OCC. EXC. PRACTITIONERS	421.	484.	508.	534.	560.	588.	618.
003	PRE. TECH HLTH & EC. OFF MIS	414.	476.	499.	524.	551.	578.	607.
004	SUPERVISORY & MANAGEMENT OCCUP.	646.	743.	781.	820.	861.	904.	949.
005	SALESWORKERS	264.	304.	319.	335.	352.	370.	388.
006	STENOS, SECRETARIES AND TYPISTS	477.	548.	576.	604.	635.	666.	700.
007	OFFICE OCCUP. & MACHINE OPERATORS	422.	485.	509.	535.	562.	590.	619.
008	OTHER CLER. INCL INFO & PERSONNEL	289.	333.	349.	367.	385.	405.	425.
009	CARPENTERS AND WOODWORKERS	736.	847.	889.	934.	981.	1030.	1081.
010	MASONERS	996.	1146.	1203.	1263.	1326.	1393.	1462.
011	HEAVY EQUIPMENT OPERATORS	778.	895.	939.	986.	1036.	1087.	1142.
012	ELECTRICAL OCCUPATIONS	596.	685.	719.	755.	793.	833.	874.
013	PAINTERS	604.	695.	729.	766.	804.	844.	887.
014	PLASTERERS	703.	809.	849.	892.	936.	983.	1032.
015	PLUMBERS AND PIPEFITTERS	828.	952.	999.	1049.	1102.	1157.	1215.
016	ROOFERS AND SLATERS	496.	571.	599.	629.	661.	694.	729.
017	OTHER METAL WORKERS	707.	814.	854.	897.	942.	989.	1039.
018	DRILL PRESS OPERATORS	712.	818.	859.	902.	947.	995.	1045.
019	FURNACEMEN SMELTERS POURERS	625.	718.	754.	792.	832.	873.	917.
020	METAL PLATERS	556.	640.	672.	705.	741.	778.	817.
021	WELDERS AND FLAMECUTTERS	544.	626.	657.	690.	724.	760.	799.
022	FOREMEN / WAREHOUSEMEN	818.	941.	988.	1037.	1089.	1144.	1201.
023	AIR CONDITIONING REFRIGERATION	538.	618.	649.	682.	716.	752.	789.
024	HEAVY EQUIP. MECH. INCL. DIESEL	645.	742.	779.	818.	859.	902.	947.
025	AUTO MECHANICS	853.	981.	1031.	1082.	1136.	1193.	1253.
026	AUTO BODY REPAIR	634.	729.	766.	804.	844.	886.	931.

027 OTHER AUTOMOTIVE SERVICES	410.	472.	496.	520.	547.	574.	603.
028 INSTRUMENT MAINT & OTHER REPAIR	485.	558.	586.	615.	646.	678.	712.
029 APPLIANCE REPAIRMEN	496.	571.	599.	629.	661.	694.	729.
030 AVIATION OCCUPATIONS	828.	952.	999.	1049.	1102.	1157.	1215.
031 BUSINESS MACHINE MAINTENANCE	455.	523.	549.	577.	606.	636.	668.
032 MATERIALS SUPPORT OCCUPATIONS	699.	804.	844.	887.	931.	978.	1026.
033 RADIO AND TELEVISION REPAIRMEN	579.	666.	699.	734.	771.	810.	850.
034 TEXTILE PRODUCTION & FABRICATION	555.	639.	671.	704.	739.	776.	815.
035 BOOKBINDERS	445.	511.	537.	564.	592.	622.	653.
036 COMPOSITORS AND TYPESETTERS	828.	952.	999.	1049.	1102.	1157.	1215.
037 LITHOGRAPHERS AND PHOTOENGRAVERS	613.	705.	741.	778.	817.	857.	900.
038 OTHER GRAPHIC ARTS OCCUPATIONS	654.	752.	789.	829.	870.	914.	960.
039 TELEPHONE INSTALLERS AND SPLICERS	599.	689.	723.	759.	797.	837.	879.
040 ELECTRICAL LINEMEN	415.	477.	501.	526.	552.	580.	609.
041 STATIONARY ENERGY SOURCES OCCUP.	729.	839.	881.	925.	971.	1019.	1070.
042 TRUCK BUS AND TAXI DRIVERS	414.	476.	499.	524.	551.	578.	607.
043 DELIVERY AND ROUTEMEN	353.	407.	427.	448.	471.	494.	519.
044 CUSTODIAL SERVICES	306.	352.	369.	388.	407.	428.	449.
045 FOOD OCCUPATIONS	331.	380.	399.	419.	440.	462.	486.
046 PERSONAL SERVICE WORKERS	269.	309.	324.	341.	359.	376.	394.
047 PUBLIC SERVICE OCCUPATIONS	372.	428.	449.	472.	496.	520.	546.
048 PRIVATE HOUSEHOLD WORKERS	331.	380.	399.	419.	440.	462.	486.
049 FORESTRY (PRODUCTION PROCESSING)	388.	446.	468.	492.	516.	542.	569.
050 COMMERCIAL ART OCCUPATIONS	289.	333.	349.	367.	385.	405.	425.
051 CRAFTSMEN PLASTICS & LEATHER	633.	728.	764.	803.	843.	885.	929.
052 AGRI. MECHANICS & RELATED TECH.	380.	438.	459.	482.	507.	532.	559.
053 FARM WORKERS LABORERS FOREMEN	331.	380.	399.	419.	440.	462.	486.
054 CONSTRUCTION & MAINT TRADES	447.	514.	539.	566.	595.	624.	656.

FROM 'OCCUPATIONAL OUTLOOK HANDBOOK', U.S. DEPT OF LABOR, BUREAU OF LABOR STATISTICS, 1972-1973

APPENDIX F

Program Cost Projections

TABLE I (CONTINUED)

PROGRAM COST PROJECTIONS ($)

PROGRAM COURSE OR CATEGORY		BASE YEAR 1974-75	PROJECTED COST FACTORS 1975-76	1976-77	1977-78	1978-79	1979-80
172306	WELDING AND CUTTING	1.27	1.34	1.40	1.47	1.54	1.62
172399	METALWORKING, OTHER	2.65	2.79	2.93	3.07	3.22	3.38
172602	COSMETOLOGY	1.26	1.32	1.39	1.46	1.53	1.61
172999	QUANTITY FOOD OCCUPATION	1.71	1.79	1.88	1.98	2.08	2.18
173000	REFRIGERATION	1.52	1.59	1.67	1.76	1.85	1.94
173100	SMALL ENGINE REPAIR	0.79	0.83	0.88	0.92	0.97	1.02
173302	TAILORING	1.22	1.28	1.34	1.41	1.48	1.55
173402	SHOE REPAIR	1.60	1.68	1.76	1.85	1.94	2.04
173601	MILLWORK, CABINETMAKING	1.77	1.86	1.96	2.05	2.15	2.26
173699	WOODWORKING, OTHER	0.83	0.87	0.91	0.96	1.01	1.06
179300	TRADE & INDUS OCCUPATION	1.06	1.11	1.17	1.23	1.29	1.35

APPENDIX G

Sources of Occupational Training

GREENVILLE-GREENE COUNTY VOCATIONAL SCHOOL

CITY - GREENEVILLE

COUNTY - GREENE

ROUTE 3
GREENEVILLE TN 37743

639-4117

ADMISSION REQUIREMENTS
MINIMUM AGE 17
ADMISSION TEST - COG

PROGRAM	# FULL MONTHS	CLOCK HOURS	CLOCK HOURS PER WEEK REQUIRED ATTENDANCE	TUITION AND REQUIRED FEES
ADVANCED BOOKKEEPING & TYPING	0	200	0	30.00
AIR CONDITIONING	0	300	0	45.00
APPLIANCE ELECTRICITY	0	300	0	45.00
AUTO BODY	0	300	0	45.00
AUTO MECHANICS	0	300	0	45.00
BOOKKEEPING	0	250	0	37.50
COMMERCIAL ART	0	250	00	37.50
COSMETOLOGY	16	1500	25	220.00
DRAFTING	00	300	0	45.00
ELECTRONICS	0	270	0	40.00
INDUSTRIAL ELECTRICITY	0	300	0	45.00
MACHINE SHOP	2	360	40	50.00
MACHINE SHOP	0	300	0	45.00
MACHINE WOODWORKING	0	300	0	45.00
NURSING ASSISTANT	0	70	0	10.00
PRACTICAL NURSE	13	2150	40	115.00
RADIO AND TV REPAIR	0	270	0	40.00
SCHEMATIC READING	0	100	0	15.00
TV SERVICE-REPAIR MDT	9	1440	40	0
TYPEWRITING	0	250	0	37.50
WELDING	10	1320	30	65.00
WELDING MDT	9	1440	40	000000

APPENDIX H

Evaluation of Vocational Programs by Secondary and AVTS Graduates

EVALUATION OF VOCATIONAL PROGRAMS BY SECONDARY & AVTS GRADUATES

GREENE COUNTY

GREENE COUNTY

1972-1973

RATING OF VOCATIONAL INSTRUCTION

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO.
VERY GOOD	4	1		4		0	1	2	12
AVERAGE	3	4		3		1	0	0	11
POOR	0	2		0		0	0	0	2
TOTAL NO.	7	7		7		1	1	2	25

RATING OF ALL OTHER INSTRUCTION

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO.
VERY GOOD	2	2		3		0	0	0	7
AVERAGE	4	3		4		1	1	2	15
POOR	0	2		0		0	0	0	2
TOTAL NO.	6	7		7		1	1	2	24

RATING OF VOCATIONAL SHOP OR LAB

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO.
VERY GOOD	3	1		3		1	0	0	8
AVERAGE	3	4		4		0	1	2	14
POOR	0	2		0		0	0	0	2
TOTAL NO	6	7		7		1	1	2	24

RATING OF GUIDANCE OR COUNSELING

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
VERY GOOD	2	2		3		0	0	1	8
AVERAGE	3	5		2		1	1	1	13
POOR	1	0		2		0	0	0	3
TOTAL NO	6	7		7		1	1	2	24

RATING OF JOB PLACEMENT

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
VERY GOOD	3	1		1		0	1	1	7
AVERAGE	1	2		5		0	0	1	9
POOR	2	3		1		0	0	0	6
TOTAL NO	6	6		7		0	1	2	22

APPENDIX I

Employment Status According to Secondary and AVTS Graduates

EMPLOYMENT STATUS ACCORDING TO SECONDARY AND AVTS GRADUATES

GREENE COUNTY

1972-1973

COMPLETED VOCATIONAL PROGRAM

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO.
YES	7	3		6		1	0	2	19
NO	0	4		1		0	1	0	6
TOTAL NO.	7	7		7		1	1	2	25

TIME SPENT SEEKING FIRST JOB

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO.
HAD JOB	7	3		3		0	0	1	14
2 WEEKS OR LESS	0	3		0		0	0	0	3
3 TO 4 WEEKS	0	11		0		0	1	0	2
1 TO 2 MONTHS	0	0		0		0	0	1	1
MORE THAN 2 MONTHS	0	0		3		0	0	0	3
TOTAL NO.	7	7		6		0	1	2	23

PLACEMENT ASSISTANCE RECEIVED FROM:

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO.
VOCATIONAL TEACHER	2	1		1		0	1	0	5
SCHOOL JOB PLACEMENT	2	0		0		0	0	0	2
SCHOOL JOB PLACEMENT	2	0		0		0	0	0	2
ST. EMPLY. AGENCY	0	0		1		0	0	0	1
RELATIVE OR FRIEND	2	6		3		0	0	2	13
OTHER	2	0		1		0	0	0	3

NO JOBS SINCE LEFT SCHOOL

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
ONE	3	5		3		0	0	1	12
TWO	4	2		3		0	1	1	11
TOTAL NO	7	7		6		0	1	2	23

MOVED FROM WHERE TRAINED

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
YES	1	1		0		0	1	1	4
NO	5	6		6		0	0	1	18
TOTAL NO	6	7		6		0	1	2	22

NOW UNEMPLOYED LOOKING FOR A JOB

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
YES	0	0		1		0	0	0	1
TOTAL NO	1	0		1		1	0	0	3

NOW UNEMPLOYED: TIME SPENT SEEKING JOB

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
2 MONTHS +	0	0		1		0	0	0	1
TOTAL	0	0		1		0	0	0	1

LATEST JOB EFFORT

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
EMPLOYERS	1	0		1		0	0	0	2
RELATIVES OR FRIENDS	1	0		1		0	0	0	2
NEWSPAPER ADS	1	0		0		0	0	0	1
TOTAL NO	3	0		2		0	0	0	5

WORK HOURS PER WEEK

AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
38 0	38 8		42 5			50 0	42 5	

HOME TO WORK DISTANCE IN MILES

AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
8 17	7 71		13 8			4 00	2 50	

WAGE RATE PER HOUR

AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
2 30	2 54		2 10			2 30	3 13	

EMPLOYMENT STATUS ACCORDING TO TEACHERS*

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
EMP FT REL FIELD	39	26		14		9	1	9	98
UNEMPLOYED	8	2		0		1	0	1	12
OTHER EMPLOYMENT	0	25		12		7	1	6	51

APPENDIX J

Evaluation of Employment by Secondary and AVTS Graduates

EVALUATION OF EMPLOYMENT BY SECONDARY & AVTS GRADUATES

GREENE COUNTY

1972-1973

RELATION BETWEEN VOCATIONAL TRAINING AND PRESENT JOB

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
SAME AS TRAINING	1	1		3		0	0	0	5
HIGHLY RELATED	1	1		0		0	0	0	2
SLIGHTLY RELATED	3	1		1		0	0	0	5
NOT RELATED	1	4		2		0	1	2	10
TOTAL NO	6	7		6		0	1	2	22

FEELINGS ABOUT PRESENT JOB

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
LIKE IT VERY MUCH	6	3		3		0	1	1	14
LIKE IT SOMEWHAT	0	3		0		0	0	0	3
NEITHER LIKE-DISLIKE	0	0		1		0	0	0	1
DISLIKE IT SOMEWHAT	1	1		0		0	0	1	3
DISLIKE IT VERY MUCH	0	0		1		0	0	0	1
TOTAL NO	7	7		5		0	1	2	22

USE OF VOCATIONAL TRAINING SKILL ON PRESENT JOB

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
FREQUENTLY	4	1		3		0	0	0	8
OCCASIONALLY	0	1		1		0	0	0	2
SELDOM	2	2		1		0	0	0	5
NEVER	1	3		1		0	1	2	8

TOTAL NO	7	7	6	0	1	2	23	

RELATION BETWEEN VOCATIONAL TRAINING AND PRESENT SCHOOL

	AGRICULTURE	DISTRIBUTIVE EDUCATION	HEALTH OCCUPATION	HOME ECONOMICS	OFFICE OCCUPATIONS	SPECIAL PROGRAMS	TECHNICAL EDUCATION	TRADE INDUSTRY	TOTAL NO
SAME FIELD	2	0		0		0	0	1	3
NOT RELATED	2	0		0		0	0	0	2
TOTAL NO	4	0		0		0	0	1	5

APPENDIX K

Vocational Guidance

INFORMATION NEEDED FOR OCCUPATIONAL ENTRY (INFOE)
SECONDARY - POST-SECONDARY
GRADES 10-14

INFOE HELPS YOUTHS AND ADULTS

THROUGH A SYSTEM AS MODERN AS THE SPACE PROGRAM, INFOE HELPS STUDENTS LOOK AT A WIDE ARRAY OF JOB AND EDUCATIONAL O
PPORTUNITIES. INFOE PROVIDES ANSWERS TO VITAL QUESTIONS WHICH MAY ASSIST STUDENTS IN MAKING A CAREER CHOICE

INFOE HELPS STUDENTS TO:
*EXPLORE A WIDE ARRAY OF OCCUPATIONS
*PLAN EDUCATIONAL PROGRAMS IN LINE WITH CAREER CHOICES
*BECOME INFORMED OF EDUCATIONAL OPPORTUNITIES AVAILABLE IN HIGH SCHOOL, COMMUNITY COLLEGES, TECHNICAL I..STITUTES, C
OLLEGES, UNIVERSITIES, AREA VOCATIONAL SCHOOLS AND APPRENTICESHIP PROGRAMS FOR SPECIFIC OCCUPATIONS WITHIN A
REGION IN TENNESSEE

INFOE ASSISTS COUNSELORS

COUNSELORS ARE OFTEN OVERWHELMED TRYING TO KEEP UP WITH THE MANY SOURCES OF INFORMATION ABOUT CAREER AND
EDUCATIONAL OPPORTUNITIES. INFOE COLLECTS, ORGANIZES AND SYNTHESIZES INFORMATION IN A COMPACT FORM THAT IS EASILY
AVAILABLE TO COUNSELORS

INFOE HELPS THE COUNSELOR:
*STAY UP TO DATE WITH CHANGING INFORMATION ABOUT JOBS, JOB OPPORTUNITIES AND PAY SCALES
*HAVE AT HIS/HER FINGERTIPS A WIDE VARIETY OF INFORMATION ABOUT MANY ATTRACTIVE JOBS FOR YOUNG PEOPLE IN TENNESSEE
*RELATE EDUCATIONAL OPPORTUNITIES WITH JOBS
*HAVE AVAILABLE INFORMATION THAT OTHERWISE WOULD REQUIRE EXTENSIVE RESEARCH

THE KEY TO INFOE IS THE USE OF MICROFICHE IN PLACE OF PAPER TO DISSEMINATE OCCUPATIONAL INFORMATION. INFOE ALLOWS
UP TO 20 JOB TITLES TO BE PHOTOGRAPHED AND RECORDED ON ONE MICROFICHE. IN SUMMARY--INFOE PUTS LOTS OF INFORMATION IN A
SMALL SPACE

DATA IS COLLECTED FROM MANY RESOURCES. PERTINENT OCCUPATIONAL DATA IS SYNTHESIZED AND LOCALIZED INTO A FOUR PAGE
FORMAT TO GIVE THE WHO, WHAT, WHERE, WHY AND HOW ABOUT OCCUPATIONS IN TENNESSEE

STUDENTS AND COUNSELORS CAN EXAMINE THE MICROFICHE ON MICROFICHE READERS. WHEN A COPY OF A PAGE FROM A PARTICULAR
JOB DESCRIPTION IS DESIRED, A READER-PRINTER IS USED TO MAKE AN IMMEDIATE FULL-SIZED "PRINTOUT"

SECONDARY INFOE

THE INFOE SYSTEM, DESIGNED FOR STUDENTS IN GRADES 10-14 CONSISTS OF THE FOLLOWING MATERIALS:

1. CAREER DECK--31 MICROFICHE PROVIDING INFORMATION ON 500 JOB TITLES

2. PROGRAM OFFERING DECK--92 CARDS PROVIDING INFORMATION ON 50 VOCATIONAL AND 42 TECHNICAL PROGRAMS

3. POST-SECONDARY INSTITUTION DECK--124 CARDS DESCRIBING 124 POST-SECONDARY INSTITUTIONS IN TENNESSEE AND SURROUNDING STATES
4. COUNSELOR'S AND STUDENTS GUIDE TO INFOE

5. INFOE POSTER

6. PINSORT (AN OPTIONAL EXPLORATION SYSTEM--CONTACT RCU FOR INFORMATION)

NOTE: READING THE INFOE MICROFICHE REQUIRES THE USE OF A MICROFICHE READER. INFORATION ON COMMERICIAL SOURCES OF READERS CAN BE OBTAINED FROM THE RCU

$75 FOR MICROFICHE, STUDENT GUIDE AND COUNSELOR'S GUIDE
$50 FOR PINSORT

AN ORIENTATION SESSION WILL BE PROVIDED FREE TO ASSIST TEACHERS AND/OR COUNSELORS IN IMPLEMENTING THE INFOE SYSTEM
IN A HIGH SCHOOL

APPENDIX L

Career Education

CAREER EDUCATION*

DEFINITION - CAREER EDUCATION IS THE TOTAL EFFORT OF PUBLIC EDUCATION AND THE COMMUNITY TO HELP ALL INDIVIDUALS BECOME FAMILIAR WITH THE VALUES OF A WORK-ORIENTED SOCIETY, TO INTEGRATE THESE VALUES INTO THEIR PERSONAL VALUE SYSTEMS, AND TO IMPLEMENT THESE VALUES INTO THEIR LIVES IN SUCH A WAY THAT WORK BECOMES POSSIBLE, MEANINGFUL, AND SATISFYING TO EACH INDIVIDUAL

PHILOSOPHY - ALL EDUCATIONAL EXPERIENCES SHOULD BE GEARED TO PREPARATION FOR ECONOMIC INDEPENDENCE, FULFILLMENT IN LIFE, AND AN APPRECIATION FOR THE DIGNITY OF WORK

GOALS - TO PROVIDE--

GUIDANCE, COUNSELING, AND INFORMATION RELATED TO CAREERS
CAREER-RELATED INSTRUCTION CONDUCIVE TO DEVELOPING POSITIVE ATTITUDES TOWARD WORK
EXPLORATORY CAREER EXPERIENCES BOTH INSIDE AND OUTSIDE THE CLASSROOM
SUPERVISED WORK EXPERIENCE DURING HIGH SCHOOL
VOCATIONAL SKILLS TRAINING FOR JOB ENTRY AND ADVANCEMENT
CONTINUING EDUCATION AFTER HIGH SCHOOL
COUNSELING SERVICES FOR PERSONS NEEDING ASSISTANCE IN CAREER PLANNING
PLACEMENT SERVICES FOR PERSONS DESIRING EMPLOYMENT

COMPONENTS - CLASSROOM INSTRUCTION RELATED TO CAREERS
VOCATIONAL SKILLS TRAINING THAT PROVIDES SPECIFIC COMPETENCIES REQUIRED FOR ENTRY OR REENTRY INTO THE WORLD OF WORK
ACTIVE COOPERATION AND PARTICIPATION OF BOTH SCHOOL AND NONSCHOOL PERSONNEL IN CAREER DEVELOPMENT
PROVISION OF WORK OBSERVATION, WORK EXPERIENCE, AND WORK-STUDY OPPORTUNITIES FOR STUDENTS AND FOR THOSE WHO EDUCATE STUDENTS IN PUBLIC SCHOOL SETTINGS WITH INTERACTION AMONG THE TRAINING INSTITUTIONS, EMPLOYING INSTITUTIONS, AND LABOR ORGANIZATIONS, TO PROVIDE LEARNING ENVIRONMENTS OUTSIDE THE CLASSROOM
HOME AND FAMILY FROM WHICH THE INDIVIDUALS DEVELOP INITIAL ATTITUDES AND CONCEPTS

CLUSTERS - GROUP OF OCCUPATIONS REQUIRING SIMILAR SKILLS AND ABILITIES

(1) AGRI-BUSINESS AND NATURAL RESOURCES
(2) BUSINESS AND OFFICE
(3) COMMUNICATIONS AND MEDIA
(4) CONSUMER AND HOMEMAKING EDUCATION
(5) CONSTRUCTION
(6) ENVIRONMENTAL CONTROL
(7) FINE ARTS AND HUMANITIES
(8) HEALTH
(9) HOSPITALITY AND RECREATION
(10) MANUFACTURING
(11) MARINE SCIENCE
(12) MARKETING AND DISTRIBUTION
(13) PERSONAL SERVICES
(14) PUBLIC SERVICES
(15) TRANSPORTATION

GRADE LEVELS - K-6 - CAREER AWARENESS (AWARENESS OF PRIMARY WORK ROLES PLAYED BY PERSONS IN SOCIETY)
7-9 - CAREER EXPLORATION (EXPLORATION OF WORK ROLES THAT AN INDIVIDUAL MIGHT CONSIDER AS IMPORTANT, POSSIBLE AND PROBABLE FOR HIMSELF OR HERSELF)
10-12 - PREPARATION (VOCATIONAL SKILL TRAINING)
13-LIFE - CONTINUING EDUCATION (PREPARATION, UP GRADING, RETRAINING)

*HOYT, KENNETH B. AND OTHERS. CAREER EDUCATION: WHAT IT IS AND HOW TO DO IT. SALT LAKE CITY: OLYMPUS PUBLISHING CO., 1974.

APPENDIX M

Facilities and Equipment

FACILITIES AND EQUIPMENT COMPONENT

TABLE OF CONTENTS

Building Trades

Appliance Service
Air Conditioning and Refrigeration
Cabinet Making & Millwork
Carpentry
General Building Trades
Masonry
Plumbing & Pipefitting
Industrial Electricity/Electronics
Air Conditioning, Refrigeration, and Appliance Service
General Building Trades & Cabinet Making & Millwork
Carpentry, Electricity, Masonry, Plumbing & Pipefitting & General Building Trades
General Building Trades & Plumbing/Electricity
General Building Trades, Cabinet-Making & Millwork, Masonry
General Building Trades/Masonry
Plumbing, Pipefitting & Electricity

Metal Trades

General Metals
Machine Shop
Sheet Metal
Welding and Cutting
General Metals/Welding & Cutting
General Metals, Welding & Cutting & Machine Shop
General Metals - Machine Shop
Machine Shop/Welding & Cutting
General Shop

Automotive

Auto Body
Auto Industries
Auto Mechanics
Small Engine Repair
Diesel Mechanics
Auto Body & Auto Mechanics
Auto Industries/Auto Body

Agricultural

Agricultural Science and Production Agriculture
Agricultural Mechanics
Ornamental Horticulture
Agricultural Mechanics/Agricultural Science & Production Agriculture
Agricultural Science & Production, Ornamental Horticulture
Agricultural Mechanics/Small Gas Engines

Electricity

Electricity/Electronics
Radio and Television Repair
Office Machine Repair
Electronics and Radio and Television
Electricity/Electronics and Appliance Service

Home Economics

Occupational Home Economics
Consumer & Homemaking
Care & Guidance of Children
Clothing Management, Production & Service
Food Management, Production, and Services
Commercial Foods Occupations

Office Occupations

Vocational Office Education
Data Processing

Distributive Education

Distributive Education
Industrial Cooperative Education
General Cooperative Education and Distributive Education

Health

Health Occupations

Cosmetology

Cosmetology

Art

Graphic Arts
Drafting

Miscellaneous

Watchmaking and Repair
Shoe Repair
Optical Technician
Industrial Chemistry
Ecology
Plastics
Dry Cleaning

activity: ELECTRICITY/ELECTRONICS AND APPLIANCE SERVICE

QUANTITY		ITEM DESCRIPTION	SPECS.	TOTAL* Sq. Ft.	CLASS-ROOM	STUDENT CAPACITY
				3200 Sq. Ft.	600 Sq. Ft.	40
10		Work Bench Consoles	20 Amp 115V.			
10		Electricity/Electronics Kits				
1		Motor Control Unit	115V 20 Amp 208V-3 ph			
1		Micro Wave Trainer, Portable	20 Amp 115V.			
1		AM-FM Training System, Portable	20 Amp 115V.			
2		Workbench, Portable	20 Amp 115V.			
1		Single Side Band Communications Trainer Portable	20 Amp 115V.			
1		Computer Lab, Portable	20 Amp 115V.			
1		Digital Electronics & Logic Trainer Model, Portable	20 Amp 115V.			
10		Appliance Repair Benches	20 Amp 115V.			
1		Sm. Appliance Test Console	20 Amp 208V-3 ph			

*Does not include classroom space.

activity: ELECTRICITY/ELECTRONICS AND APPLIANCE SERVICE - Page 2

QUANTITY		ITEM DESCRIPTION	SPECS.	TOTAL Sq. Ft.*	CLASS-ROOM	STUDENT CAPACITY
1		Large Appliance Test Console	20 Amp 208 V-3 ph			
2		Work Benches				
1		Drill Press, 15"	3/4 HP 208V-3 ph			
1		Grinder, 8"	3/4 HP 208V-3 ph			
1		Parts Cleaner	½ HP 115V.			

*Does not include classroom space.

APPENDIX N

Rules, Regulations and Certification

SECTION V - Home Economics Occupational Education

Vocational home economics occupational education is the preparation of individuals for employment in occupations utilizing knowledge and skills in home economics subject matter areas.

I. Secondary

A. Program of Instruction

1. Description

Occupational education in home economics shall be designed to meet the needs of students preparing to enter the labor market in an occupational field using knowledge and skills of home economics.

Students enrolled in home economics occupations should have an occupational objective. This objective may either be in a recognized occupation or a cluster of closely related occupations in an occupational field.

Programs are usually offered in the eleventh and/or twelfth grade. Upon completion of an occupational program, the enrollee should have attained the age to be employed in the occupation for which instruction was provided.

Instruction may be offered in the following areas:

OE Code	Occupational Field
09.0201	Care and Guidance of Children
09.0202	Clothing Management, Production and Services
09.0203	Food Management, Production and Services
09.0204	Home Furnishings, Equipment and Services
09.0205	Institutional and Home Management and Supporting Services
09.0299	Occupational Preparation, Other (Pre-Occupational)

Pre-occupational education in home economics is an exploratory program and is planned to develop the student's concept of the world of work and various occupations in home economics before making a specific vocational choice.

To supplement experience provided students in the classroom, arrangements for supervised observation, participation, and work experiences in institutions, businesses, or any establishment similar to those in which they may be employed must be included in program planning.

a. Observation and Participation

Observation and participation are a part of each program planned to help students develop an understanding of the world of work

and requirements of the job for which they are receiving training. Thirty (30) hours of observation and participation should be provided for each student in addition to classroom instruction.

b. Work Experience

Work experience means a job outside the school, specifically related to the occupation being studied in the school. This is work experience under the supervision of both the employer and the teacher of the course.

The amount of work experience feasible for students depends upon the competencies to be developed. Through experiences provided in the class, laboratory, observation, and participation, students develop some proficiencies before assignment for work experience. This work experience may be carried out during school hours, after school hours, on weekends or in the summer if the course is two years in length.

Applicable federal and state labor laws shall be adhered to when placing students in work experiences.

Sufficient time in the teacher's schedule must be provided for supervising observation, participation, and work experience.

2. Course Content

a. Program Organization

Course content shall be determined by a job analysis of the competencies needed by sutdents to perform effectively in a specific occupation as outlined in the Dictionary of Occupational Titles. These classes are designed to give extensive preparation for specific occupations such as food service worker, child care aide, and others. Included are orientation to the nature of the occupation, desirable personal qualities for occupational success, development of basic skills in the occupation, and the essential elements in the employment situation.

An advisory committee should be utilized in planning course content. This committee may include school administrators, home economics teachers, guidance personnel, prospective employers from businesses, health and welfare personnel, a representative from Employment Security, and professional women-including a home economist.

Personnel from the Division of Vocational-Technical Education will be available to assist in planning, supervising, and evaluating programs.

b. Youth Organization

A youth organization is encouraged to serve those enrolled in home economics occupational classes. The primary purposes of which are to provide motivation, to serve as a tool of instruction, to provide leadership training, and to insure desirable citizenship. The activities of the organization are an integral part of the instruction.

B. Instructional Personnel

1. Duties and Responsibilities

The teachers shall be responsible to local school officials for the instructional program to which assigned and shall cooperate with regional supervisors and state staff of vocational-technical education in planning, implementing, and evaluating programs. It is the teacher's responsibility to arrange the course content in a logical sequence in order to make learning more meaningful and effective. The teachers shall work with advisory committees and local employment personnel; survey employment opportunities; determine qualifications needed by students; select and supervise work experience; assist in job placement, follow-up and evaluation. They assist employers in development of work experiences and prepare and submit reports as requested by the Division of Vocational-Technical Education. They may also have the responsibility for the organization and activities of a local chapter of Home Economics Related Occupations-Future Homemakers of America (HERO-FHA).

2. Qualifications

The teachers shall have a Bachelor's Degree from an accredited four-year college or university and shall hold a valid Tennessee Teachers Professional Certificate with endorsement in the subject area to be taught. Two years of appropriate employment experience shall be required.

3. Certification

a. Initial

Teachers shall hold a valid Tennessee Teachers Professional Certificate with endorsement in home economics or the subject area to be taught. When such teachers are not available, applicants who do not hold such a certificate may be approved for initial employment in a local system by the Assistant Commissioner for Vocational-Technical Education in accordance with provisions established by the State Board for Vocational Education. Teachers who do not meet qualifications shall complete three approved courses in their occupational field during the first five years of employment and shall attend a workshop designed for the appropriate occupational field to be taught prior to employment.

b. Renewal

(1) Certificate issued on Bachelor's Degree is renewable upon the presentation of evidence of five years of teaching experience within the ten-year period plus eight quarter hours of residence credit. Credit earned after July, 1970, may be graduate or undergraduate credit earned in residence or by extension. The undergraduate credit must be in teaching skills or in subject matter in an area of endorsement on the certificate.

(2) Certificate issued on Master's Degree earned in an approved program leading toward public school teaching and resulting in additional endorsement or further work in fields presently endorsed is renewable on five years of teaching experience within the ten-year period.

(3) In the absence of five years teaching experience, eight quarter hours of residence credit must have been earned within the last year.

Credit earned after July 1, 1970, must meet the requirements stated above and must be earned within the last year before renewal.

Courses for renewal of certification must be in keeping with the needs of the teacher.

C. Scheduling

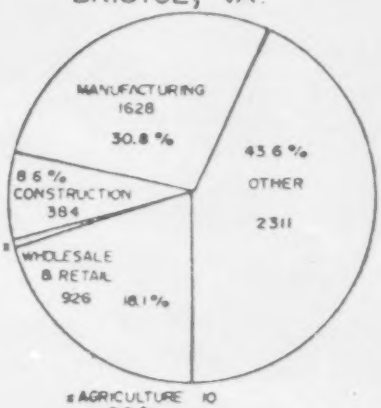
It is recommended that courses be scheduled in two-hour or three-hour blocks of time except pre-occupational education which may be scheduled for a one-hour block of time.

APPENDIX O

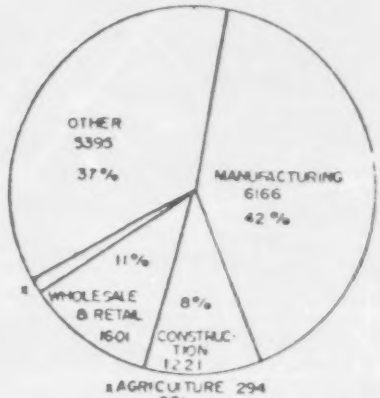
Individual and Composite Data Packs

COMPOSITION OF EMPLOYMENT BY INDUSTRY — 1970

BRISTOL, VA.



CARTER CO.



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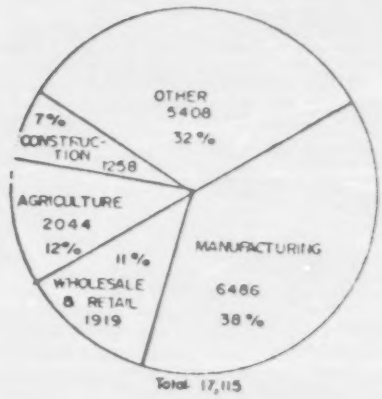

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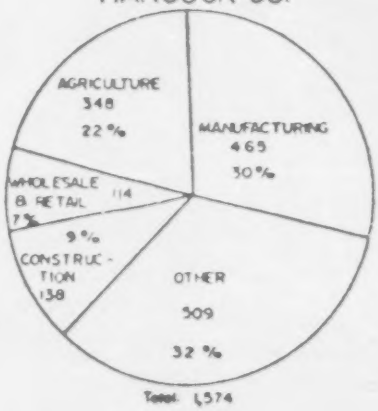
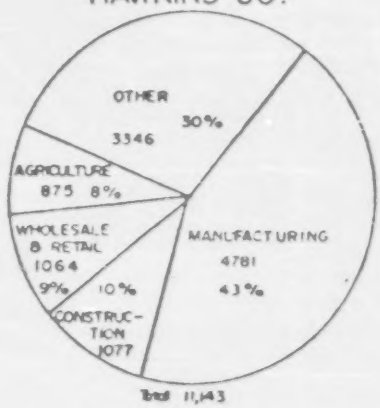
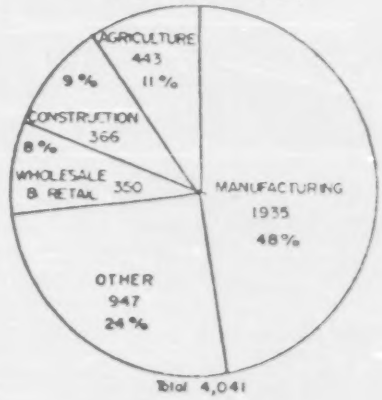


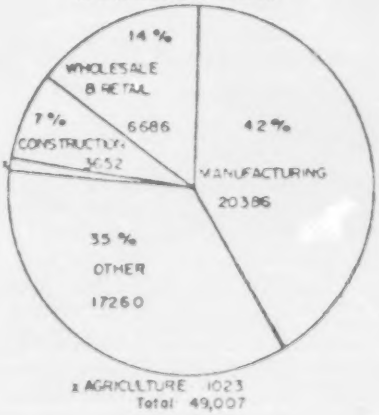
HAWKINS CO.



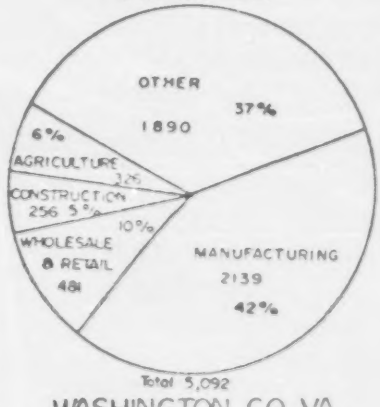
JOHNSON CO.



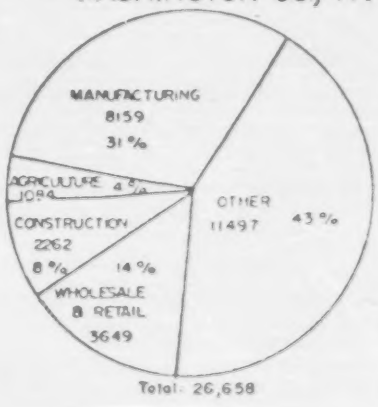
SULLIVAN CO.



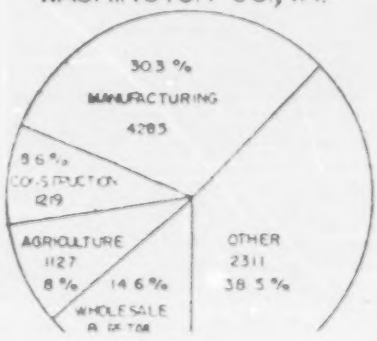
UNICOI CO.



WASHINGTON CO, TN



WASHINGTON CO, VA.



Total 14,129

OTHER

MINING, TRANSPORTATION, COMMUNICATIONS, UTILITIES, SANITARY SERVICES, FINANCIAL, EDUCATIONAL AND HEALTH FACILITIES, LEGAL SERVICES AND PUBLIC ADMINISTRATION

APPENDIX P

Workshop

THE UNIVERSITY OF TENNESSEE
COLLEGE OF EDUCATION
KNOXVILLE, TENNESSEE 37916

UNIVERSITY RESEARCH
COORDINATING UNIT FOR
VOCATIONAL EDUCATION
316 Alumni Hall
974-2338

October 20, 1975

Last spring you responded to our Regional Information System (RIS) questionnaire. The RIS is the development of a model computer-based vocational information system to help program planners improve existing programs and establish needed programs.

The model is now in the last stage of development, and we would like to invite you to attend our workshop on November 11 and 12 at the Upper East Tennessee Educational Cooperative located in Midway School, West Walnut Street, Johnson City, Tennessee. The workshop will be held from 9 a.m. to 4:30 p.m. each day with sessions beginning at 9 a.m. and 1:30 p.m. each day. We certainly hope that you will join us.

To bring you up to date, three planning districts have been the target area for developing the model; namely, First Tennessee-Virginia; Mountain Scenic; and Lenowisco. Nineteen counties are involved.

A mini-computer--the Wang 2200--constitutes the hardware for the RIS. The major emphasis is upon manpower demand/supply data which we have gathered from the three planning districts. These data are projected to 1980 and are presented for 54 occupational areas. Migration rates are included.

In addition, the RIS has information about the following: program evaluation; projecting costs for vocational programs; projected enrollments; equipment and facilities; career education; vocational guidance; rules, regulations, and minimum standards for vocational education; Federal grant resources; and others.

We would like to provide you with the vocational information we have collected and suggest ways in which it can be used to develop better programs. Please complete and return the attached Response Form in the enclosed envelope at your earliest convenience. An additional form is included for any vocational program planner or vocational/occupational director in your system who could benefit from the information presented at the workshop.

A UNIT SPONSORED COOPERATIVELY WITH THE STATE DIVISION OF VOCATIONAL EDUCATION

WORKSHOP FOR THE MODEL COMPUTER-BASED

REGIONAL INFORMATION SYSTEM FOR VOCATIONAL EDUCATION

Location: Upper East Tennessee Educational Cooperative
Midway School
West Walnut Street
Johnson City, Tennessee 37601

Please check one space indicating when you will attend:

_____ 9:00 a.m. Tuesday, November 11

_____ 1:30 p.m. Tuesday, November 11

_____ 9:00 a.m. Wednesday, November 12

_____ 1:30 p.m. Wednesday, November 12

NAME_____ TITLE_____

SCHOOL SYSTEM_____

SCHOOL ADDRESS_____

SCHOOL PHONE_____

Comments:_____

_____

_____

Please return as soon as possible to: Dr. Genevieve Smith
Research Coordinating Unit
The University of Tennessee
416 Alumni Hall
Knoxville, Tennessee 37916

APPENDIX Q

Evaluation of Student File

Degree of Use of Computer-Based Student Information
By 22 Administrators in Appalachian Regions of
Tennessee, North Carolina, and Virginia

Student File	Degree of Use: Low 1	2	3	4	High 5	Mean*
	%	%	%	%	%	
Birthdate	14	9	18	9	50	3.7
Sex	14	4	23	23	36	3.6
Marital Status	23	18	50	-	9	2.5
Veteran	18	9	23	27	23	3.3
Grade Level	-	9	4	27	60	4.4
Race	45	14	23	4	14	2.3
Plans for Training after High School (Area Voc. School, Tech. Inst., etc.)	4	4	4	24	64	4.4
Plans for Training during High School (Reg. Voc., Coop, Ind. Arts, etc.)	-	4	4	4	88	4.7
Club Membership (FHA, FFA, TOEC, VICA, etc.)	9	9	24	24	34	3.6
Prior Vocational Training	-	18	18	37	27	3.7
Type of Student (Reg., Disad., Handicapped)	4	9	9	14	64	4.2
How Long Have Parents Lived in County	23	9	18	27	23	3.2
Do You Plan to Work in County	9	-	23	23	45	4.0
Date Entered Program	4	18	27	27	24	3.5

*Based on 5-point scale where 5 = highest amount of use and 1 = lowest amount of use.

APPENDIX R

Evaluation of Personnel File

Degree of Use of Computer-Based Personnel Information
By 22 Administrators in Appalachian Regions of
Tennessee, North Carolina, and Virginia

Personnel File	Low Degree of Use 1 %	2 %	3 %	4 %	High 5 %	Mean*
Birthdate	9	-	43	19	29	3.6
Sex	14	-	48	19	19	3.3
Employment Status (10, 11, 12 mos.)	9	8	33	13	37	3.7
Degree (Associate, BS, BS + 30, MS, etc.)	8	-	18	18	56	4.2
Race	42	13	37	-	8	2.1
Program Level (Presecondary, Secondary, Post Secondary, Adult)	9	-	9	19	63	4.2
Type of Program (Regular, Coop, Coop G, Ind. Arts, Prevocational, etc.)	9	-	9	19	63	4.2
Job Title (Teacher, Guidance, Local Director, Supervisor, State Staff, etc.)	9	-	9	29	53	4.1
Years Employed in Education	8	-	17	28	47	4.1
Years Employed in Industry	7	-	8	32	53	4.3
Last Date Enrolled in School	9	-	58	14	19	3.3
Time Distribution (%) (Teaching, Administration, etc.)	14	-	14	38	34	3.8
Full or Part Time	9	-	15	38	38	4.0
Year Certificate Expires	-	9	33	20	38	3.9
Quarter Hours College Work (Incomplete Bachelor's)	-	3	29	37	29	3.9

*Based on 5-point scale where 5 = highest amount of use and 1 = lowest amount of use.

APPENDIX S

Evaluation of Occupational Demand File

Degree of Use of Computer-Based Occupational Demand Information
By 22 Administrators in Appalachian Regions of
Tennessee, North Carolina, and Virginia

Occupational Demand File	Low 1	Degree of Use 2	3	4	High 5	Mean*
	%	%	%	%	%	
Size of Labor Force in 1970 for Specific Occupational Categories	4	12	35	14	33	3.7
Size of Labor Force in 1975 for Specific Occupational Categories	-	-	22	22	56	4.3
Estimates of Annual Separation (retirements, deaths) 1976-1980	4	-	32	8	56	4.2
Estimates of Annual Change (workers to be hired or terminated) 1976-1980	-	4	8	32	56	4.4
Estimates of Combined Separation and Change (new hires) 1976-1980	4	-	8	28	60	4.5
New Labor Force 1976-1980	-	-	4	18	78	4.7
Percentage of Occupational Demand According to Category 1976-1980	-	4	4	9	83	4.9
Occupational Demand by Rank in Importance 1976-1980	-	4	4	14	78	4.6
Occupational Demand by Consecutive Rank in Importance for 1977	-	4	10	36	50	4.3
Present Salary Range of Occ.	-	4	-	32	64	4.5
Projected Salary Range of Occ.	-	5	-	33	62	4.5

*Based on 5-point scale where 5 = highest amount of use and 1 = lowest amount of use.

APPENDIX T

Evaluation of County Information File

Degree of Use of Computer-Based County Information
By 22 Administrators in Appalachian Regions of
Tennessee, North Carolina, and Virginia

Selected Data by County	Degree of Use: Low 1	2	3	4	High 5	Mean*
	%	%	%	%	%	
Student Enrollments Grades 1 - 12	-	5	14	27	54	4.3
Educational Level						
a. Males and Females by Years of School Completed	5	5	14	45	31	4.0
b. Persons 16 and Over by Labor Force Status	-	5	5	36	54	4.4
c. Persons 25 and Over by Years of School Completed	-	5	9	41	45	4.3
Selected School Characteristics	5	9	24	31	31	3.8
Selected Population Characteristics	5	9	14	27	45	4.0
Population Growth for Last Decade	5	5	18	27	45	4.0
Net Migration for Last Decade	9	-	23	23	45	4.0
Place of Work	-	8	-	26	66	4.4
Population with Labor Force and Unemployment Rate	-	5	18	23	54	4.3
Labor Force by Occupational Type Urban and Rural; Male and Female	5	9	18	18	50	4.0
Experienced Unemployed	-	5	9	41	45	4.3
Placement - Employed Males and Females by Occupation; Persons 14 - 15 by Weeks Worked	-	5	14	26	55	4.3
Annual Work Force Estimates	-	5	5	35	55	4.4
Personal Income by Major Sources and Earnings by Broad Industrial Sector	9	-	5	41	45	4.1

Continued

Degree of Use of Computer-Based County Information
by 22 Administrators in Appalachian Regions of
Tennessee, North Carolina, and Virginia
- Page 2 -

Selected Data by County	Low Degree of Use 1 %	2 %	3 %	4 %	High 5 %	Mean*
Employment and Wages by Industry	-	5	-	36	59	4.5
Total Housing Units	9	-	18	41	32	3.9
Owner Occupied Housing	4	4	23	41	28	3.8
Agricultural Statistics	4	-	41	23	32	3.8

*Based on 5-point scale where 5 = highest amount of use and 1 = lowest amount of use.

APPENDIX U

Evaluation of Regional Information System

Degree of Use of Computer-Based Regional Information System
By 22 Administrators in Appalachian Regions of
Tennessee, North Carolina, and Virginia

Type of Information	Degree of Use: Low 1	2	3	4	High 5	Mean*
	%	%	%	%	%	
Student	4	-	9	28	59	4.4
Personnel	5	-	19	33	43	4.0
Occupational Demand	-	4	-	14	82	4.8
Selected Data by County	-	4	4	10	82	4.7
Projecting Costs for Vocational Programs	-	4	9	18	69	4.5
Sources of Occupational Training	4	-	4	42	50	4.3
Program Evaluation by Students	-	4	4	28	64	4.5
Program Evaluation by Teachers	-	4	-	32	64	4.5
Career Education	-	4	-	32	64	4.5

*Based on 5-point scale where 5 = highest amount of use and 1 = lowest amount of use.

APPENDIX V

Guidelines for a User's Manual

DEMONSTRATION OF A MODEL REGIONAL INFORMATION SYSTEM FOR VOCATIONAL-TECHNICAL EDUCATION

TENNESSEE RESEARCH COORDINATING UNIT
for Vocational Education

The University of Tennessee College of Education
Knoxville, Tennessee

Research Project in Vocational Education
Conducted Under Part C of Public Law 90-576

LIST OF RIS PROGRAMS

		PAGE
1.	Student Subfile	1
2.	Personnel Subfile	4
3.	Occupational Demand	7
4.	Selected Data by County	9
5.	Projecting Costs for Vocational-Technical Education Programs	10
6.	Sources of Occupational Training for First Tennessee-Virginia Development District	11
7.	Evaluation of Vocational Programs by Secondary and AVTS Graduates in Tennessee 1972 - 1973	13
8.	Evaluation of Vocational Programs by Secondary and AVTS Graduates in Tennessee Counties of First Tennessee-Virginia Development District 1972 - 1973	14
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10.	Employment Status According to Secondary and AVTS Graduates in Tennessee Counties of First Tennessee-Virginia Development District 1972 - 1973	16
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12.	Evaluation of Employment by Secondary and AVTS Graduates in Tennessee Counties of First Tennessee-Virginia Development District 1972 - 1973	18
13.	Career Education	19
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RIS PROGRAMS - NON-COMPUTER BASED

1) Composite Data File for First Tennessee-Virginia Development District

2) Equipment and Facilities Component

3) Tennessee Rules and Regulations for Vocational-Technical Education Component

4) Data Packs, North Carolina-Virginia

MODEL REGIONAL INFORMATION SYSTEM

In order to meet reporting requirements of the U. S. Office of Education, a number of states have developed a computer-based management information system (MIS) which collects, stores, and retrieves data related to vocational programs. Basic areas in which information is collected include the following:

Student accounting

Staff accounting

Student Follow-up and Placement

Manpower Demand/Supply

Financial Accounting

Other areas considered as feasible components of the MIS are vocational guidance, facilities and equipment, curriculum and instruction, and community resources.

Information systems are becoming increasingly important because data are needed on greater numbers of people, the amount of relevant subject matter is building rapidly, and there is a demand for specific, current, and accurate information.

In order to be effective, the information system must be accessible. Without this feature, it will prove useless. The data must be up-to-date, comprehensive, selective, accurate, and rapidly retrievable. If the system is to be maintained efficiently, evaluation must be continuous with feedback from users to provide a factual base for revision and improvement. The system must be flexible and open to change as the demands of users change.

The regional information system (RIS) is an extension of the MIS. Accelerating sociological change, technology, and informational resources are making it more difficult to plan vocational programs. The "community" is expanding to include a larger geographical area than the traditional locality or school district. Workers are moving across county, state, and regional lines, changing occupations within clusters, and moving from one cluster to another within an occupation.

In order to deal rationally with these barriers to program planning, relevant information must be collected in an expanded area that encompasses county, state, and regional boundaries across which workers move to obtain training as well as employment. This information must be gathered, organized selectively, stored, updated periodically, and retrieved rapidly to provide a viable planning base for developing vocational programs.

The model RIS offers a plan for developing a data network between states with common boundary lines. Through cooperative participation and sharing, a more substantial and effective information system can be developed which will lead to the establishment of better programs and the improvement of existing ones.

OPERATING INSTRUCTIONS

The Wang 2200 System is a "Basic" driven mini-computer. The Basic language is hard-wired into the machine and only needs to be turned on. The machine is now ready to load programs. To Load - do the following:

1. Type "clear" and return.
2. Load tape in tape drive and return.
3. Type "load" and return.
4. Type "run" and return.
5. Follow directions.

Note:

Each program or group of programs has a catalog to facilitate it use.

STUDENT FILE

The Student Subfile provides comprehensive information about the student. It is organized according to State Code, Planning Development District Code, County Code, City or County School System Code, and Individual School Code.

Information about the student is presented in this manner:

1. Student I. D. Number
2. USOE Code for Current Vocational Program
3. USOE Code for Other Vocational Program
4. Birthdate
5. Sex
6. Marital Status
7. Veteran
8. Grade Level
9. Race
10. Plans for Advanced Training - Other than High School
11. Plans for Advanced Training - Complete High School
12. Type Program
13. Club Membership
14. Prior Vocational Training
15. Enrollment in other Vocational Class
16. Regular, Disadvantaged, Handicapped
17. How Long have Parents Lived in County
18. Do You Plan to Work in County
19. Date Entered Program

As a program planner, you may use this information to answer the following types of questions:

1. How many (female, male, married) students are enrolled in a specific vocational program?
2. How many blacks (Caucasians, American Indians, Orientals, Spanish Americans) are enrolled in a specific vocational program?
3. How many 15 (16, 17, 18) year-olds are enrolled in a specific vocational program?
4. How many 10th (11th, 12th) graders are enrolled in a specific vocational program?
5. How many students (male, female) have been enrolled in a specific vocational program for more than one year?
6. How many 12th (11th, 10th) grade females (males) are enrolled in more than one vocational class?
7. Which vocational program has the largest (smallest) number of enrollees?
8. Which school (state, development district, county, school system) has the greatest (smallest) number of students in a specific vocational program?
9. Which vocational club has the largest (smallest) membership?
10. How many students are enrolled in FHA (FFA, TOEC, VICA, DECA, other) clubs?
11. How many students have had prior vocational training in agriculture (distributive, health, home economics, office, trade and industry, technical, industrial arts) programs?

12. How many 10th (11th) graders plan to enter a regular vocational (regular, cooperative, cooperative G, industrial arts, special, prevocational, related) program?
13. How many 10th (11th, 12th) graders plan to enter an area vocational school? (technical institute, commercial college, private vocational school, four-year college)
14. How many 12th (11th, 10th) graders plan (do not plan) to work in their county of residence?
15. How many 12th graders (disadvantaged, handicapped, married, veteran) enrolled in a specific vocational program will enter the labor market in June, 1976?

Totals for the above questions may be obtained according to state, development district, county, city or county school system, and school.

PERSONNEL SUBFILE

The Personnel Subfile provides comprehensive information about the teacher. It is organized according to State Code, Planning Development District Code, County Code, City or County School System Code, and Individual School Code.

Information about the teacher is presented in this manner:

1. Social Security Number
2. USOE Code for Current Vocational Program
3. USOE Code for other Vocational Program
4. Birthdate
5. Sex
6. Employment Status (10, 11, 12 mos.)
7. Degree
8. Race
9. Occupational Area
10. Program Level
11. Type Program
12. Title
13. Years Employed in Education
14. Years Employed in Industry
15. Last Date Enrolled in School
16. Time Distribution (%)
17. Full or Part Time
18. Year Certificate Expires
19. Quarter Hours College Work (Incomplete Bachelor's)

As a program planner, you may use this information to answer the following types of questions:

1. How many teachers (male, female) instruct in a specific vocational program?
2. How many blacks (Caucasians, American Indians, Orientals, Spanish Americans) instruct in a specific vocational program?
3. How many teachers (male, female) instruct in more than one vocational program?
4. How many teachers in a specific vocational program are available to teach an additional one (two) months in the year?
5. How many teachers are available to teach a night class?
6. How many teachers instruct a one (two, three) hour class?
7. How many teachers instruct (do not instruct) a senior (junior, sophomore) program?
8. How many teachers instruct full (part) time in a specific vocational program?
9. How many teachers have disadvantaged (handicapped) students?
10. How many teachers direct cooperative (cooperative G) programs?
11. How many teachers instruct industrial arts?
12. How many teacher aides (guidance, directors, supervisors, state, local administrator, local support personnel) participate in each vocational program?
13. How much time is allotted in a specific program to teaching a major vocational area (other vocational area, vocational administration, teaching non-vocational area, administration of non-vocational area)?

14. Which vocational program has the largest (smallest) number of teachers?
15. How many teachers (male, female) can be expected to retire within the next year (2, 3, 4, 5 years)?
16. How many teachers in a specific vocational program hold bachelor's (master's, doctor's) degrees?
17. How many teachers do not hold a bachelor's degree?
18. How many teachers in a specific vocational program have completed hours beyond the bachelor's (master's) degree?
19. How many college credit hours under a bachelor's degree do teachers have in a specific vocational program?
20. How many teachers in a specific vocational program will become uncertified in the next year (one, two, three, four, five)?
21. How much educational experience (1 - 21 or more years) do instructors in each vocational program have?
22. How much work experience (1 - 21 or more years) do instructors in each vocational program have?

Totals for the above questions may be obtained according to state, development district, county, city or county school system, and school.

OCCUPATIONAL DEMAND

The Occupational Demand Subfile encompasses three development districts; namely, First Tennessee-Virginia, Lenowisco, and Mountain Scenic. Data have been collected from 18 counties. These include:

- Carter, Greene, Hancock, Hawkins, Johnson, Sullivan, Unicoi, and Washington in Tennessee;
- Lee, Scott, and Wise in Virginia; and
- Alleghany, Ashe, Avery, Mitchell, Watauga, Wilkes, and Yancey in North Carolina.

Information about occupational demand is presented in this manner:

1. Code
2. Occupational Categories
3. 1970 Labor Force by Occupational Categories
4. 1975 Labor Force by Occupational Categories
5. Estimates of Annual Separation 1976 - 1980
6. Estimates of Annual Change 1976 - 1980
7. Estimates of Annual Combined Separation and Change 1976 - 1980
8. New Labor Force 1976 - 1980
9. Percentage of Occupational Demand 1976 - 1980
10. Occupational Demand by Rank In Importance 1976 - 1980
11. Occupational Demand by Consecutive Rank In Importance for 1977

As a program planner, you may use this information to answer these types of questions:

1. What size labor force existed in 1970 for a specific occupational category?
2. What size labor force exists now for a specific occupational category?
3. What are the 1976 (1977, 1978, 1979, 1980) estimates of separation for a specific occupational category?
4. What are the 1976 (1977, 1978, 1979, 1980) estimates of change for a specific occupational category?
5. What are the combined 1976 (1977, 1978, 1979, 1980) estimates of separation and change for a specific occupational category?
6. What is the 1976 (1977, 1978, 1979, 1980) estimated labor force?
7. What occupations in the region will require workers who can (cannot) be prepared in secondary schools?
8. What occupations in the region require workers who can (cannot) be prepared in post-secondary institutions which are within commuting distance?
9. Which occupational categories have common skills?
10. What occupational trends are apparent?
11. What percentage of the total occupational demand is a specific occupational category?
12. What rank in importance does a specific occupational category have?

SELECTED DATA BY COUNTY

Comprehensive data have been collected for eight counties in Tennessee; namely, Carter, Greene, Hancock, Hawkins, Johnson, Sullivan, Unicoi, and Washington. Information is presented in this manner:

1. State/County Summary Sheet
2. Total Net Enrollments
3. Occupation and Population
4. Employment and Population
5. Industry and Population
6. Work Force Estimates
7. Personal Income by Major Sources and Earnings by Broad, Industrial Sector (Thousands of Dollars)
8. Agricultural Statistics
9. Population Growth
10. Provisional Net Migration 1960 - 1970
11. Experienced Unemployed
12. Educational Level
13. Youth and Placement
14. Population Distribution
15. Annual Average Work Force Estimates
16. Components of Change
17. Selected Population Characteristics
18. Selected School Characteristics
19. Total Housing Units
20. Owner Occupied Housing
21. Employment and Wages by Industry

PROJECTING COSTS FOR VOCATIONAL-TECHNICAL EDUCATION PROGRAMS

This subfile enables the program planner to predict the cost of a vocational-technical education program. Information is presented in this manner:

1. Program Course or Category
2. Base Year Costs 1974 - 1975
3. Projected Cost Factors 1975 - 1980

SOURCES OF OCCUPATIONAL TRAINING
FIRST TENNESSEE-VIRGINIA DEVELOPMENT DISTRICT

The Subfile for Sources of Occupational Training provides comprehensive information about occupational programs that offer career preparation. Length of training, actual clock hours required, and tuition and fee requirements are given.

Information is presented in this manner:

1. Program Title
2. Number of Full Months
3. Clock Hours
4. Clock Hours per Week Required Attendance
5. Tuition and Required Fees

As a program planner, you may use this information to answer the following types of questions:

1. Which occupations can be prepared for locally?
2. How many months are needed to prepare for specific occupations?
3. How many actual clock hours are needed to prepare for specific occupations?
4. How many clock hours per week are consumed by attendance?
5. What tuition is required for specific occupational preparation?
6. What fees are required for specific occupational preparation?
7. What are the minimum admission requirements for entering occupational programs?
8. Where are the occupational programs located?
9. What types of tests are required for entrance?
10. What is the minimum age requirement?
11. Who can be contacted for additional information?

EVALUATION OF VOCATIONAL PROGRAMS BY SECONDARY
AND AVTS GRADUATES IN TENNESSEE
1972-1973

A random sample of vocational students in Tennessee was used to collect the data for this subfile. The data are given for Carter, Greene, Hawkins, Johnson, Sullivan, Unicoi, and Washington Counties. Information is presented in this manner:

1. Rating of Vocational Instruction
2. Rating of All Other Instruction
3. Rating of Vocational Shop or Lab
4. Rating of Guidance or Counseling
5. Rating of Job Placement

EVALUATION OF VOCATIONAL PROGRAMS BY SECONDARY AND AVTS GRADUATES IN TENNESSEE COUNTIES OF 1ST TENNESSEE-VIRGINIA DEVELOPMENT DISTRICT 1972-1973

A random sample of vocational students in Tennessee was used to collect the data for this subfile. The data are summarized for Carter, Greene, Hawking, Johnson, Sullivan, Unicoi, and Washington Counties. Information is presented in this manner:

1. Rating of Vocational Instruction
2. Rating of All Other Instruction
3. Rating of Vocational Shop or Lab
4. Rating of Guidance or Counseling
5. Rating of Job Placement

EMPLOYMENT STATUS ACCORDING TO SECONDARY AND AVTS GRADUATES IN TENNESSEE 1972-1973

A random sample of vocational students in Tennessee was used to collect the data for this subfile. The data are given for Carter, Greene, Hawkins, Johnson, Sullivan, Unicoi, and Washington Counties. Information is presented in this manner:

1. Time Spent Seeking First Job
2. Placement Assistance Received From:
   a. Vocational Teacher
   b. School Job Placement
   c. Other School Personnel
   d. State Employment Agency
   e. Private Employment Agency
   f. Relative or Friend
   g. Other
3. Number of Jobs Since Leaving School
4. Moved from Where Trained
5. Now Unemployed: Looking for Job
6. Now Unemployed: Time Spent Seeking Job
7. Latest Job Effort
8. Work Hours per Week
9. Home to Work Distance in Miles
10. Wage Rate per Hour
11. Employment Status According to Teachers

EMPLOYMENT STATUS ACCORDING TO SECONDARY AND AVTS GRADUATES IN TENNESSEE COUNTIES OF 1ST TENNESSEE-VIRGINIA DEVELOPMENT DISTRICT 1972-1973

A random sample of vocational students in Tennessee was used to collect the data for this subfile. The data are summarized for Carter, Greene, Hawkins, Johnson, Sullivan, Unicoi, and Washington Counties. Information is presented in this manner:

1. Time Spent Seeking First Job
2. Placement Assistance Received From:
   a. Vocational Teacher
   b. School Job Placement
   c. Other School Personnel
   d. State Employment Agency
   e. Private Employment Agency
   f. Relative or Friend
   g. Other
3. Number of Jobs Since Leaving School
4. Moved From Where Trained
5. Now Unemployed: Looking for a Job
6. Now Unemployed: Time Spent Seeking Job
7. Latest Job Effort
8. Average Work Hours per Week
9. Average Distance in Miles from Home to Work
10. Average Wage Rate per Hour

EVALUATION OF EMPLOYMENT BY SECONDARY AND AVTS GRADUATES IN TENNESSEE
1972-1973

A random sample of vocational students in Tennessee was used to collect the data for this subfile. The data are given for Carter, Greene, Hawkins, Johnson, Sullivan, Unicoi, and Washington Counties. Information is presented in this manner:

1. Relation Between Vocational Training and Present Job
2. Feelings About Present Job
3. Use of Vocational Training Skill on Present Job
4. Relation Between Vocational Training and Present School

EVALUATION OF EMPLOYMENT BY SECONDARY AND AVTS GRADUATES IN TENNESSEE COUNTIES OF 1ST TENNESSEE-VIRGINIA DEVELOPMENT DISTRICT 1972-1973

A random sample of vocational students in Tennessee was used to collect the data for this subfile. The data are summarized for Carter, Greene, Hawkins, Johnson, Sullivan, Unicoi, and Washington Counties. Information is presented in this manner:

1. Relation Between Vocational Training and Present Job
2. Feelings About Present Job
3. Use of Vocational Training Skill on Present Job
4. Relation Between Vocational Training and Present School

CAREER EDUCATION

The Career Education Subfile presents basic information for use in implementing this type of program. Information about career education is presented in this manner:

1. Definition
2. Philosophy
3. Goals
4. Components
5. Clusters
6. Grade Levels
7. Goals
8. Community Participation
9. Initiating a Career Education Program
10. Selected ERIC Documents for Career Education

VOCATIONAL GUIDANCE

Information Needed for Occupational Exploration (INFOE) provides vocational guidance in the form of INFOEscripts, a career brief reproduced on a microfilm aperture card which is viewed on a microfilm reader and microfiche, a 4" by 6" sheet of film which holds up to 98 pages of information.

Information is presented in this manner:

1. Elementary INFOE for grades 4 - 6
2. Junior High INFOE for grades 7 - 9
3. Secondary and Post-Secondary INFOE for grades 10 - 14

RESULTS OF QUESTIONNAIRE ADMINISTERED TO SUPERINTENDENTS AND PROGRAM PLANNERS IN TARGET AREA

A 57-item questionnaire was developed for superintendents and program planners in the target area. Respondents were asked to indicate on a five-point scale the extent of use given to various information sources. The second section of the questionnaire asked administrators to indicate areas in which current information is desired.

Questionnaires were distributed in March, 1975 to 40 administrators in the 18 counties. From this group, 36 responses were returned from 22 superintendents, 9 vocational directors, and 5 program planners.

Information is presented in this manner:

1. Printed Materials Used for Information Sources by 36 Administrators in Appalachian Regions of Tennessee, North Carolina, and Virginia
2. Institutions Used for Information Sources by 36 Administrators in Appalachian Regions of Tennessee, North Carolina, and Virginia
3. Persons Used as Information Sources by 36 Administrators in Appalachian Regions of Tennessee, North Carolina, and Virginia
4. Information Desired by 36 Administrators in Appalachian Regions of Tennessee, North Carolina, and Virgina